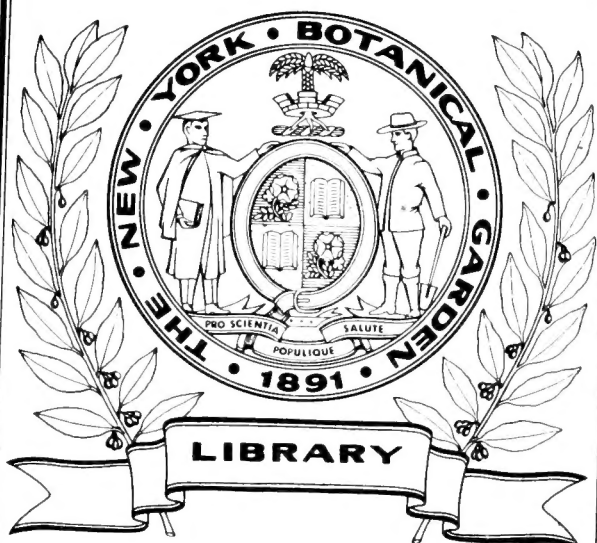


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HORTICULTURE

INDEX TO VOLUME XX

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BOTANICAL
GARDEN.

Illustrated articles are marked with *

	Page		Page
A		Chrysanthemum show at Chicago	485
Ability the just test in gardening	110	*Chrysanthemums, Group of	
Adaptation of plants to soil	472, 504	trained	645
Adjournment, After	830	Chrysanthemums for exhibition	793
Albany Florists' Club	516, 689, 834	Cincinnati Florists' Society	549
Americans within the war zone	173	Cincinnati notes: 23, 150, 191, 248	
*Amrhy, G. X.	366	288, 333, 526, 558, 735.	
Anniversary Greetings	830	*Clematis, Herbaceous	609, 615
*Anthericum lileastrum giganteum	413	Club and Society Notes: 9, 40, 73, 176	
419		335, 367, 392, 423, 454, 488, 516, 549	
Appreciation, An	674	581, 619, 657, 663, 672, 690, 725, 759	
Arctostaphylos uva ursi	318	837, 896, 912.	
*Areca lutescens at Dreer's, House		Coke for greenhouse heat	864
of	455	Community orders	30
*Arenaria	786	Compliments of the season	869
Arnold Arboretum notes	484, 757	Connecticut Horticultural Society	
Association, A worthy	238	.....366, 422, 486, 724, 910	
B		Convention City, The:	
Baltimore to Boston, Sea trip		*—View in Franklin Park	65
from	72	*—The Convention Garden. The	
Bar Harbor Sweet Pea Show	175	Arnold Arboretum	141
Basic slag for grass land	617	—The Convention Garden. Aug-	
*Bay trees, Wintering	583	ust flower show in Boston.	
Beauty is Wealth	787	Boston day. Florists' Tele-	
*Begonia Mrs. Heal	677, 691	graph Delivery. American Car-	
Belgium's plight	909	nation Society. Chrysanthem-	
*Berkshire Hills, A visit to the	356	um Society of America. Ac-	
*Berkshire Hills garden	485	commodations. *Boston Public	
Borax as a larvacide	106	Library and New Old South	
Boskoop, Holland, in the war	421	Church	172
Boston Convention Notes	23, 41, 389	*—The shrine of a gifted author-	
Boston Co-operative Flower Mar-		ess	173
ket	301	*—Boston's record. Horticulture	
Boston Flower Exchange	630	in Boston. Boston parks. The	
Boston Fruit and Vegetable Ex-		flower trade. Massachusetts	
hibition	490	Horticultural Society. Gard-	
Boston Gardeners' and Florists'		eners' and Florists' Club. Ar-	
Club	422, 487, 580, 689, 724, *877	old Arboretum. Botanical	
Boston notes	526, 558, 594, 628,	Gardens. First Boston Conven-	
662, 698, 734, 766, 802, 849, 886, 918		tion	212, 217
British horticulture	45, 107	—Convention exhibits, The Bos-	
321, 421, 568, 582, 694, 727, 767, 909		ton	377
Buddleis and Bougainvillea	327	—Suggestion, A Convention Gar-	
Buds, Crown and terminal	622	den	418
Business pointers	55	—Convention Garden notes	
Business troubles	116, 148, 182, 243	.....515, 550, 615	
397, 462, 526, 554, 585, 658, 694, 794		Conventions do, What	474
844, 882, 919		Corporations, New: 28, 50, 114, 155	
C		198, 238, 364, 394, 424, 458, 506, 585	
California Association of Nursery-		624, 663, 728, 862, 882, 912.	
men	486	Correction, A	41
California notes	559	*Cox, Philip J.	674
California welcome, A	423	*Craig, Robert, and P. Welch	108
Carbon bisulphide in soil, Ef-		Crataegus pyracantha	111
fect of	584	Cypripediums, Regal	653
Caryopteris mastocanthus	786	D	
*Carnation Alice, house and field		*Dahlias, Two promising new	833
of new	23, 106	Dahlias, To lovers of	173
Carnations, Noteworthy	43	Dahlia and Fruit Exhibition at	
*Carnation range, View in	440	Boston	424
Carnation Society, American	9	Dahlia Society, American	454, 488
516, 832, 833.		Dahlia Society, National	238
Catalogs received	44, 108, 182, 230	Daphne cneorum	211
360, 394, 426, 490, 518, 553, 586, 624		*Dasyliirion glaucophyllum	389
730, 762, 914.		*Dendrobium Falconeri	39
Caterpillars, War on	43	Dirca palustris	138
*Cattleya Dowiana Memoria Ju-		Display, A great holiday	759
lius Roehrs	713, 718	Dixie, On the Gulf Coast in	583
*Cattleya Hardyana var. Ruther-		E	
ford	906	Editorial:	
Ceanothus	449	—Entertainment and education.	
Cemetery Superintendents, Amer-		Bulb troubles. "Standard"	
ican	548	flower pots	6
*Chase, Henry B.	8	—Greenhouse plants taxable.	
Chicago notes	18, 50, 83, 155	"Clean-up" day. Angles of	
191, 244, 339, 371, 398, 430, 462, 494		view and angles of method	38
526, 594, 629, 662, 699, 728, 849, 887		—The big event. What Boston	
Chicago to Indianapolis	549	offers. The poet's license	70
Children's gardens exhibit at Bos-		—The presidency. About anony-	
ton	408	mous writers. Education lack-	
Chrysanthemum Society of Amer-		ing. Simply traders	102
ica	224, 487, 549, 581, 618	—Where self-reliance counts. Se-	
656, 726, 758, 879		cure your rooms. About pub-	
		lic grounds	140
		—The army worm. Cruel war.	
		Perplexities	170
		—Welcome. Brother and brother.	
		Many interests to subserve	210
		—The Boston convention. Affil-	
		iation. In the flower of youth	276
		—Convention gardens and their	

	Page		Page		Page
F		caena indivisa. Potting geraniums. Schizanthus for Easter. Procure your supply of palms..	681	Gladiolus Rochester White.....	118
Fertilizer experiments	92	—Cinerarias for Christmas. Irises for forcing. Lilium speciosum. Resting bougainvilleas. Paper white narcissi. Spiraeas	717	Gladiolus Society, American.....	40
Fertilizers, Old bones as.....	130	—Allamandas. Care of carnations. Care of gardenias. Propagating crotons. Rhododendrons. Preparing ground for asters...	753	123, 142, 225, 282, 334	
Fertilizers in growing carnations and roses, Use of commercial..	604	—Azaleas for Christmas. Care of violets. Christmas talk. Hybrid perpetuals for Easter. Lilies for Christmas. Christmas greens	785	Gladiolus Society of Ohio.....	143, 335
Fires.....28, 45, 198, 623,	776	—Chrysanthemum stock plants. Palms in winter. Orchids. Propagating bouvardias. Winter protection. Flats.....	825	Goodell's sight restored, L. W....	550
*Floral show room.....381,	396	—Pelargoniums. Lilies for Easter. Propagating Lorraine and Cincinnati. Propagating carnations. Sowing pumpkins. Pan-nax Victorias	873	*Gordonia Altamaha	579
*Florist farmer, A.....	257	—Mignonette. Easter cyd-ran-geas. Fern spores. Start prop-agating. Sweet peas. Wall-flowers	905	Grapes, Greenhouse.....	485
Florists' stock, Notes on culture of:		*Flower arrangement. Simplicity in	781, 797	Greenhouses building or contemplated: 30, 62, 94, 130, 162, 198, 257	
—Crotons. Hydrangeas. Getting carnations planted. Mignon-ette for winter flowering. Cal-anthes. Keeping weeds down..	5	Flower market fluctuations for two years. Diagrams of....	630, 631	346, 378, 410, 442, 474, 506, 538, 570	
—Callas. Care of Gardenias. Geraniums. Rambler roses. Plan-ning for next winter. Solanums	37	Flower Market Reports:		585, 640, 674, 709, 746, 776, 814, 864	
—Care of chrysanthemums. Care of nephrolepis. Cypripediums. Planting cold storage lilies. Sweet peas. Repairing boilers and piping	69	—Albany	855	898, 930.	
—Care of carnations. Lilies. Freesia bulbs. Pansies. Poin-settias. Sowing coreopsis.....	101	—Boston: 21, 53, 85, 121, 153, 189, 209		Growers, Some good.....	435
—Camellias. Care of asters. Amaryllis. Mulching compost. Primulas for spring flowering. Labeling plants	137	301, 337, 369, 401, 433, 465, 497, 529		*Gude, Mrs. Wm. F., President-elect Ladies' S. A. F.....	349
—Aspidistra. Care of chrys-anthemums. Dahlias. Holly-hocks. Orchids. Sowing myo-sotis and daisies. Poinsettias and begonias	169	561, 597, 633, 662, 701, 737, 769, 805		H	
—Care of carnations. Cinerarias. Lorraine begonias. Lilium cand-idum. Young palms. Propa-gating variegated vinca.....	209	855, 889, 921.		*Hartford park gardens.....	107
—Bouvardia. Care of smilax. Chrysanthemums. Geraniums. Providing compost. Propagat-ing ivy geranium.....	275	—Buffalo: 21, 53, 85, 121, 153, 189		*Hitchins & Company's new office manager	674
—Care of carnations. Feeding chrysanthemums. Planting French bulbs. Schizanthus Wisetonensis. Violets. Ven-tilating orchids	317	255, 301, 337, 369, 401, 433, 465, 497		*Hitchings house, A modern.....	789
—Care of primulas. Cyclamen for next year. Dutch bulbs. Hydrangeas. Sweet peas. Starting the fires.....	353	529, 561, 597, 633, 665, 701, 737, 805		Hollyhocks, Trouble with.....	
—Chrysanthemums. Planting peonies. Prepare for frost. Planting a perennial border. Orchids. Genistas	385	855, 889, 921.		.....440, 485, 550	
—Care of mignonette. Freesias. Liquid feeding for chrysanthemums. Summer flowering bulbs. Violets. Salvia	417	—Chicago: 21, 53, 85, 121, 153, 189		Home from the war country.....	321
—Care of gardenias. Cocos palms. Orchids. Perennials for pots. Snapdragons. Propa-gating sand	449	255, 301, 337, 369, 401, 433, 465, 497		Home-grown tree seedlings.....	453
—Care of adiantums. Cyclamen for the holidays. Care of poin-settias. Carnations. Shrubs for forcing. Fancy-leaved ca-ladiums	481	561, 633, 665, 701, 737, 805, 891, 921		Home industries, a chance for... 418	
—Ardisia crenulata. Poinsettias for pans. Pandanus Veitchii. Preparing fields for next year. Manure for winter. Potting evergreens for winter.....	513	—Cincinnati: 21, 53, 85, 121, 153, 189		Horticultural exhibition, A special	228
—Asparagus Sprengeri. Azaleas. Begonias Lorraine and Cincin-nati. Care of carnations. Or-chids. Sowing stocks.....	545	255, 301, 337, 369, 401, 433, 465, 497		I	
—Callas. Christmas plants. Tulips for forcing. Lily of the valley for Christmas. Propa-gation. Night temperature....	577	561, 633, 665, 701, 737, 769, 805		Ilex opaca	718
—Asparagus plumosus nanus. Begonia incarnata. Carnations. Gladioli for forcing. Mar-guerites. Sowing Centaurea gymnocarpa	613	857, 891, 921.		Illinois State Fair.....	485
—Forcing of ixias. Fuchsias. Lilium multiflorum and gigan-teum. Orchids. Young cycla-men. Storing cannas and dahl-ias. Sheep manure for florists' use. Trouble with freesias....	649	—Knoxville: 433, 497, 561, 633, 703		International Flower Show, New York, 1915.....	87, 366
—Care of young cinerarias. Freesias for Christmas. Dra-		737, 807.		Iris manual, An.....	440
		—New York: 21, 53, 85, 121, 153, 191		Iris, When to plant.....	547
		257, 301, 339, 371, 403, 435, 467, 499		K	
		531, 563, 635, 667, 703, 739, 771, 807		Knoxville, Tenn., notes: 19, 150, 248	
		857, 891, 923		399, 431, 628, 735, 791 918.	
		—San Francisco: 435, 563, 635, 667		L	
		703, 739, 769, 807, 857, 923,		Lancaster County Florists' Club	
		—Washington: 23, 55, 87, 123, 155		.....334, 454, 580, 758, 910	
		191, 403, 435, 467, 499, 531, 563, 635		Lansdowne howl, A.....	851
		667, 703, 739, 771, 812, 857, 891, 923		Laws in Georgia. Two new.....	378
		Flower pot records. Standard....	228	*Layout of residence, greenhouse and garden. An excellent...477, 485	
		Forcing bulbs second time.....	182	Lenox Horticultural Society...618, 689	
		Found at last.....	299	Let brotherly love prevail.....	830
		G		Letter from Germany, A.....	173
		Galloway, Reception to Dr.....	18	Light in the greenhouse. Maxi-mum	864
		Galvin, Accident to Thomas F....	764	Lilium myriophyllum from seed..	182
		Gardener, A versatile.....	727	*Lilies, South African Harrisii....	749, 755
		Gardener and his Profession, The	726	.....749, 755	
		Gardeners and why, Cheap.....	75	Lily feast, A.....	110
		Gardener's progress, The.....	110	Little Benny on flowers.....	771
		Gardener and competition, The..	75	Longing for peace.....	248
		Gardener, The happy.....	42	*Lychnis	721
		Gardeners. The reason for cheap	42	M	
		*Geraniums, Hardy	651	Magnolias, Hardy.....	42
		*Geranium Helen Michell.....	41	Marathon, "Some".....	19
		Geranium leaf spot.....	744	Maryland week in Baltimore....	797
		Geranium test, A.....	41	Massachusetts Agricultural Col-lege notes....28, 168, 421, 536, 584	
		Ginger Jar, Out of the....44, 114,	325	617, 708.	
		Ginkgo from seed.....	771	Masachusetts Asparagus Grow-ers' Association.....	913
		*Gladioli, Burpee's Fordhook hy-brid	723	Massachusetts Horticultural So-ciety.....9, 72, 240, 335, 549, 656	
		*Gladiolus exhibit, A remarkable.	431	Medford Horticultural Society... 8	
		Gladiolus, Golden King.....	515	*Mesembryanthemum, A hedge screen of.....	73
		Gladiolus registration	730	Minnesota Horticultural Society.	834
				Mission of beauty, The.....495, 552	
				Missouri Botanical Garden.....	581
				Monmouth County (N. J.) fair... 423	
				Mushroom covering.....	43
				Mushrooms. Mites on.....	771
				*Myriophyllum proserpinacoides..	359
				N	
				Nassau County Horticultural So-ciety.....9, 123, 334, 618	
				Nasturtiums, Leaf spot on.....	112
				National Association of Gardeners	
				224, 280, 328, 454, 580, 724, 759, 790	
				836, 877.	
				National Flower Show Committee	725
				New Bedford Horticultural So-ciety.....10, 72, 487, 548	
				New Jersey Floricultural Society	238
				New London Horticultural So-ciety	422

	Page
New York exhibition prospects..	622
New York Florists' Club.....	9, 51, 178, 422, 548, 690, *876
New York Horticultural Society of	392, 486, 516, 578
Newport Horticultural Society...	834
Newport shows.....	9, 72, 107, 335
News Notes: 17, 55, 62, 87, 108, 162	
185, 248, 365, 398, 442, 458, 462, 474	
492, 493, 525, 568, 595, 626, 627, 654	
661, 699, 710, 729, 733, 744, 746, 762	
789, 801, 803, 812, 853, 898, 917, 923	
North Shore (Ill.) exhibition.....	177
North Shore Horticultural Society	366
Nurserymen, American Association of	8, 40, 334, 758
Nursery company expands.....	844
Nursery stock in the United States, Grow.....	792

O

Obituary:

—Ackerman, Christian, 708; Alward, Evelyn Fuller, 898; *Aschmann, Godfrey, 672.
—Balkan, Cyrus A., 728; Barrett, Michael, 672; Bell, Jesse, 527; Beu, Mrs. Frank, 112; Bock, Theodore, 180; Bolander, Peter, 455; Bradbury, Joseph, 55; Boyd, Isaac, 112; Brotherton, Wilfred A., 506; Burr, John, 506.
—Cincotte, Joseph, 527; Connell, Henry, 708; Connelly, John J., 839; Cook, Harry C., 442; Cooke, George, 839.
—Dickson, George, *303; Diehl, Wm. H., 303; Durfee, Benjamin, 76.
—Escher, Henry, 399; Ewell, Marshall F., 506.
—Fillow, J. L., 767; Finaghty, Mrs. Martin, 180; Frueh, Charles, 28.
—Gilmartin, John, 708; Glorius, Andrew, 767; Griffith, John M., 559.
—Habermehl, E. W., 180; Harison, Joseph G., 898; Harth, Andrew, 112; Hodges, Geo. T., 527; Hoitt, Mrs. C. W., 623; Homeyer, Mrs. C. H., 240; Humfeld, W. H., 55; Hunnick, Mrs. Robert, 623; Huxley, Mrs. Percy, 623.
—Kahrs, Henry, 180; Kaiser, Estella, 180; Keller, Mrs. J. M., 377; Kennedy, Isaac, 28; Kirchhoff, F. C., 708; Krug, Peter J., 455.
—Lester, Mrs. Ruby B., 180.
—Mahon, Luke, 527; Mallon, J. F., 839; Mansfield, Thomas, 180; Meier, William, 112; Mellis, David Y., 794; Miles, Morgan, 559; Moullierat, Henry B., 559; Myers, Herman, 672.
—McKerichar, Alexander, 162; McMichael, John, 455.
—Newman, Mrs. John H., 180; Norman, Annie, 303.
—Palinsky, Wm. L., 585; Parker, John L., 708; Parker, J. Lowe, 728; Parks, John S., 28; Pearson, George J., 672; *Peiser, E. E., 728.
—Quinlan, P. R., 377.
—Rauchert, George, 506; Robinson, Joseph B., 839; Rust, Robert, 28.
—Schramm, Franz, 839; Seegar, Mrs., 672; *Shaw, Lillian A., 559; Stuessy, J. B., 442.
—Tate, Wm. J., 672.
—Voorneveld, J. Theo., 442.
—Ward, Mrs. John F., 377; Welsh, John, 672; White, Nelson B., 585; Wolneiwicz, Joseph, 28.
—Zuber, Mrs. Frank, 455.

P

Pacific Coast Horticultural Society	758, 910
---	----------

	Page
Panama-Pacific Exposition:	
—Horticultural exhibits.....	41
—Decorative planting.....	767
*Papaver orientale Princess Victoria Luise.....	901, 906
Park Institute of New England.....	688, 834
Park Superintendents, American Association of.....	142, 366
Patents granted: 62, 162, 198, 257, 394	
442, 474, 504, 534, 551, 624, 674, 746	
814, 928.	
*Pear tree, Trained.....	389
*Penn, the Florist, View in store of Pennsylvania Horticultural Society	580
Peony deal, A big.....	111
Peony Manual, C. S. Harrison's... 75	
*Perennials for garden and rockery, Two useful.....	450
Perennials from seed, Raising hardy	182
Personal: 23, 51, 87, 123, 155, 191, 248	
290, 221, 371, 403, 421, 456, 499, 552	
615, 727, 789, 853, 909.	
Philadelphia, Florists' Club of... ..	40, 178, 366, 516, 791
Philadelphia notes: 18, 50, 76, 108	
257, 377, 398, 435, 467, 494, 527, 551	
595.	
Philosophy, Antiquated.....	583
*Phlox, The silvery lavender.....	387
*Pierson building at Tarrytown, N. Y., The new F. R.....	165, 174
Pines attacked by new insect... 744	
*Pinks, Hardy garden.....	483
Piping, To compute amount of... 930	
Pittsburgh Florists and Gardeners' Club... 40, 392, 548, 689, 834	
Poetry:	
—The happy gardener.....	42
—The gardener and competition... 75	
—Soldiers of the golden plume.. 517	
—Enter Autumn	549
Potash shortage, Remedies for... 453	
Potash supply, German.....	394, 798
Potatoes, Record price for.....	358
*Public Garden, Boston, Views in	33, 133
Publications received: 55, 77, 230	
308, 357, 394, 426, 504, 588, 762, 838	
914.	

R

Raspberries and asparagus, Replanting	358
Recess, During:	
*—A souvenir of Watertown, N. Y., and N. J. Association of Plant Growers	19
—New York Florists' Club, Greek-American picnic. Cook County florists. St. Louis growers	51
*—Knoxville (Tenn.) Florists' Society, St. Louis florists. Florists' Club of Washington.....	82
—Outing Cincinnati florists. Cook County (Ill.) Florists' Association, Motored from New York to Washington, Newark florists	83
—Lancaster County Florists' Club	123
—Minnesota State Florists, Chicago Florists' Club, Buffalo Florists' Club outing, St. Louis florists' picnic, Bobbink & Atkins' lawn party.....	160
—Tarrytown Horticultural Society, *Picnic of Minnesota florists	176
*—The Truly Rurals invade Barnegat Bay	250
—Field day at Michell's, Chicago florists	252
—Westchester & Fairfield Horticultural Society	288
—Florists' Club of Washington, Kansas City florists.....	399
—The "Old Guard" Association, Newport ball	431
*—Poor Richard Club at Fordhook, The "Old Guards" Association	463

	Page
*—Rochester florists	518
—Boston Co-operative Flower Market banquet	629
—Chicago bowlers	812
—New York bowlers.....	629, 812, 853, 896, 912
*"Red Devil" circular glass cutters	346
Remedies, Notable increase of insect	863
Reply, An appreciative.....	724
Retail Florists, Of interest to:	
—Business pointers	116
—Store lighting	118
—Publicity not always advertising	148
—The model retailer.....	184
—Gleanings on foliage plants and ferns	242
—A storeman's view of the cut flower situation	297
*—Floral tributes	298
—A new departure, Floral show room	396
—Important to growers, florists and wholesalers	428
—The florists' business from a retailer's point of view.....	460
—Florists' Telegraph Delivery Association	524
—Seen in Mobile.....	556
—Window advertising	630
*—Decorated automobile	698
*—Japanese window display.....	699
*—Two views in new flower store of George H. Cooke.....	733
—Simplicity in floral arrangement	797
*—Altar decoration for Pan-American celebration.....	802
—Christmas orders by telephone, 803	
*—Two pleasing floral arrangements	836
—Christmas hints, Window advertising	846
—The mid-December lull.....	850
*—Arrangement of roses and Barberton daisies	852
—Why some succeed and some do not	884
—Associated Retail Florists.....	885
—Florists' Telegraph Delivery... 916	
—The Retailer's Business Calendar: 592, 626, 660, 696, 732, 800, 919	
Steamer departures: 16, 48, 80, 116	
148.	
New flower stores: 16, 49, 81, 117	
149, 184, 243, 332, 364, 396, 430, 461	
492, 524, 557, 593, 635, 660, 697, 733	
765, 803, 850, 897, 916.	
Flowers by telegraph: 17, 49, 81, 117	
149, 185, 243, 296, 333, 364, 397, 429	
461, 493, 525, 557, 593, 627, 661, 697	
733, 765, 801, 847, 897, 917.	
Rhode Island Horticultural Society	454
Rhododendrons, Hardy deciduous 74	
*Rock garden, A natural.....	1, 10
Rose garden, Washington.....	550
Rose growing, industry, The.....	619
Rose house, A typical.....	445
*Rose Mrs. Moorfield Storey.....	817
*Rose garden, A New Haven.....	321
*Rose pergola in June.....	573, 582
*Rose test garden, Key plan of garden at Arlington Farm.....	344, 550
Rose Society, American.....	72, 225
278, 758, 877, 912	
Roses from seed.....	909
*Roses in Roger Williams Park, Providence, R. I.....	97, 113
Roses, The new commercial.....	485
Rose growing under glass:	
—The boilers, Notes on planting, Tying, Ventilation, Damping down	71
—Weeds, Lawns around greenhouses, Signs, Syringing, The pots	103
—Painting, Wiring the benches, Scratching over the benches... 139	
—Heating repairs, Ventilation, The bottom leaves on Beauties, Lime, Manure for mulching.. 171	

	Page		Page		Page
—The war. The coal supply. Fumigating.....	211	seed and bulb news. Personal. Notes.....	588	—Affiliation.....	790
—Cool nights. Sulphur. Lime. Syringing plants. Tying. Shaking the plants.....	277	—Bean prices for 1915. Bulbs of high degree. British seed notes. Chicago seed notes.....	522	Southampton (N. Y.) Horticultural Society.....	178
—Mulching. Use of bone meal. Ventilation after mulching. Watering. Dark corners.....	319	—Onion sets.....	624	Springfield (Ill.) notes.....	734
—The old soil. Manure for mulching. Potting soil. Curled foliage.....	355	—Garden bean and pea prices. The cabbage crop. Hotel accommodations for canners' convention. League prices. Notes.....	658	St. Louis Florist Club.....	911
—Worms and ants in compost. Packing. Cutting. Keeping the plants clean. The walks in the houses.....	387	—Bulb trade in California. Notes.....	694	.....8, 72, 308, 422, 488, 548, 911	
—Liquid manure. Tobacco stems.....	419	—Holland seed supply. Notes.....	730	St. Louis notes.....	918
—Broken glass. Supplies for the season. The propagating house. More about curled leaves on Killarney.....	457	—Faulty conclusions. Canners' convention matters. The bean situation. San Francisco prospects. California seed notes.....	760	.....50, 81, 186, 339, 364, 531, 918	
—Mulching. Bone meal. Roses for Christmas. Blackspot. Mildew.....	651	—Chicago seed notes.....	798	St. Louis society meetings and notes.....	791
—Last chance for repairs. Ventilation. Night temperatures. Syringing.....	683	—Prison for bogus seedsman. Supply of sugar beet seed. To correct abuses in the seed and bulb trade.....	844	Standardize the jardinières.....	326
—Damping down. Fumigation. Cutting. Disbudding. Sand. Old Beauty plants.....	719	—Low figures on peas. Canners backward. Unreasoning and unreasonable. Improved outlook. Wholesale seedsmen's League. Notes.....	914	*Sub-tropical bed.....	386
—Trouble with Mrs. Aaron Ward. Sheep manure. Soot. Storing manure. Potting soil. The coal supply. Electric lights.....	755	Shaw banquet, The.....	776	Surgery for sick trees, Commercial.....	410
—Care of outside roses. Electric light on roses. About grafting. About Shawyer, Russell and 6 ft stems. Ferns and roses in same house.....	827	*Shaylor, E. J.....	143	*Sweet pea Margaret Atlee.....	318
—Christmas notes. Care of houses in general. Propagation.....	875	*Show case. An elegant.....	584	*Sweet pea Veiled Bride.....	617
—Syringing. Selection of wood for cuttings. Making cuttings.....	907	Shrubs to attract desirable birds. Fruit-bearing.....	776	Syracuse rose show.....	41
S		Silkworms and tools.....	746	Sweet Pea Society, American.....	791
*Saccolabium giganteum.....	755	Situation in Holland. The true.....	490		
San Francisco notes.....	594	Smith memorial, William R.....	143	T	
628, 663, 707, 734, 766, 802, 849, 918		Society of American Florists and Ornamental Horticulturists:		*Taylor, W. A.....	118
*Schultheis, plant houses of Anton	909	—S. A. F. and the F. H. A. The.....	421	Tennessee getting busy.....	494
Seed Trade:		—Program of the 30th annual meeting and exhibition.....	104, 105	Texas to have an arboretum.....	55
—American Seed Trade Association. Concluding notes on annual convention.....	12	—Plant registration.....	178, 689, 790, 836, 910	Texas Nurserymen's Association.....	454
*—Lester L. Morse, pres-elect American Seed Trade Association and American Sweet Pea Society.....	13	—Thirtieth annual meeting and exhibition. *Some of the men at the helm. Program of business. Program of entertainment. List of sporting events. Local ladies' committees. Bureau of horticultural and historical interest. Ladies' Society S. A. F. List of exhibitors in the convention garden. Chicago to Boston. *Floor plan, Mechanics Bldg.....	225	Texas roses for San Diego Exposition.....	831
—California notes.....	14	*—Opening convention garden. Opening session. President's address. Secretary's report. Treasurer's report. Report of Washington representative. Report of committee on rose gardens. Committee on Wm. R. Smith memorial. Selection of meeting place for 1915. President's reception. Second day. Thursday morning's session. Election of officers. Thursday afternoon's session. Ladies' Society of American Florists. Ladies' bowling. Ladies' auto trip. National Association of Gardeners. Florists' Hall Association. American Gladiolus Society. Florists' Telegraph Delivery Association. Convention notes.....	278-286	Tomatoes and cucumbers, Forcing.....	138
—The pea outlook. New York in 1915. Agricultural Department's seed imports. Notes.....	46	—New Yorkers on the way to Boston.....	288	Topsfield notes.....	517
—Those foreign seed purchases. Forcing bulbs in fiber.....	78	—Trade exhibition at Mechanics Bldg.....	290	Totty, illness of Charles H.....	703
—Seed trade criticisms. Pea crop conditions.....	144	—Closing session. Various reports.....	322	Trade journals, The value of.....	831
—Notes.....	182	*—The convention garden.....	323	Transplanting of large shade trees, Successful.....	509, 536
—Effect of the European war.....	230	—A day of entertainment and games.....	323	Transplanting American holly.....	789
—Effect of the war on the seed trade. Bean, pea and corn crops. Next Canners' Convention.....	294	—Get your prize. Notes.....	325	Transportation, Cost of.....	582
—Notes.....	330	*—Executive board of the S. A. F.....	313	Truckers' convention.....	536
—The import situation. The cheapest commodity. The deluge. Humanity. European seed outlook. Local conditions. Notes.....	362	—Report of committee on final resolutions. Addition to report of judges of trade exhibit.....	358		
—New interstate seed bill. Notes.....	394	—Annual report of entomologist.....	408	U	
—California seeds and bulbs. Notes.....	426	—National Flower Show, Philadelphia, 1916.....	656	U. S. Agricultural Department work.....	106
—Crop report of Hjalmar Hartmann & Co., Copenhagen.....	458			United States Department of Agriculture:	
—New onion industry in Bahamas.....	490			—Report of entomologist. Ornamental plants from Belgium.....	928
—The European situation. Domestic seed crops. Vine seeds and beans.....	520			University of Illinois Floricultural Club.....	724
—A fair exchange. California notes. Good advertising.....	554				
—General prospects. European prospects. Bean crop estimates. Onion seed crops. Effects of the drought. An innovation. New seed house. California				V	
				Value of soda when potash is scarce.....	831
				Vincent's annual dahlia show.....	421
				Vines, Fall treatment of.....	721
				Visitors' Register.....	19, 51, 83, 118, 162, 191, 248, 339, 360, 403, 440, 456, 499, 527, 559, 599, 629, 667, 688, 728, 766, 814, 852, 896, 923
				Vitex agnus-castus.....	515
				W	
				War and our calling, The.....	582
				*Ward, R. M., and a group of naturalists.....	51
				Washington Florists' Club of.....	178, 689, 836
				Washington notes.....	18, 50, 118, 150, 298, 403, 430, 462, 494, 526, 558, 595, 628, 662, 698, 766, 849, 886, 918
				Water hyacinth as a fiber producer.....	330
				*Water lily pond at Pembroke, Bryn Mawr, Pa.....	541, 547
				*Well head, An old.....	105
				*Welch, Patrick, president-elect S. A. F. & O. H.....	269
				Westchester & Fairfield Horticultural Society.....	72, 334, 422, 548, 724, 910
				What should the S. A. F. do for the private gardener?.....	389
				Where are the flower buyers?.....	767
				White fly problem.....	358
				White medal of honor, Award of.....	517
				Why not grow seedling stock on the Pacific Coast?.....	616
				Wood ashes as source of potash.....	568
				*Wool flower, Chinese.....	717
				Worcester County Horticultural Society.....	175
				*Wreath of asters and roses.....	398

Vol. XX
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	Page		Page		Page		Page		Page
Advance Co.	31	Clarke's, D. Sons	16	Hart, Geo. B.	22	McConnell, Alex.	16	Plantlife Co.	29
Albany Cut	22	Cowee, W. J.	20	Heacock, Jos.	11	McHutchison &	4	Poeblmann Bros.	10-20
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Ayres Co., S.	15	Dreer, H. A.	30-31	Holland Nurser-	2	Michell's Seed	14	Shop	17
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& Meyer	22	Eastern Chem-	29	Jacobs, S. & Sons	30	Flower Exchange	20	Reuter's	17
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NOTES OF CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Crotons.

Crotons should not be shaded too heavily or the naturally brilliant coloring of the leaves will become more somber. Frequent syringing benefits the plants and keeps such insect pests as mealy bug, red spider and scale in check. Crotons, or codiaëums, as the botanists prefer to call them, succeed best in a warm, moist greenhouse. Propagation is easy. It can be done by ringing and mossing the tops, which if kept constantly moist will soon produce roots, after which the tops can be potted and kept fairly close until established. Crotons grow well in a compost of fibrous loam and leaf-mold. When they are likely to stay in pots a considerable time, some fine bone and old cow manure may be added with advantage. They appreciate watering with liquid manure when well established in pots and in active growth, but heavy doses must be avoided. Damping down will now be necessary, morning, noon and night, and the plants should be examined each day and watered only if they need it, for even whilst growing they should not get in a saturated condition.

Hydrangeas.

After the first week in July all pruning or stopping on stock planted out should be discontinued for the season, since if followed up any later it would make a sacrifice of bloom. Sturdy shoots, now starting as an undergrowth from the main stems, should not be removed, for these will develop into the finest flowering branches by next spring. All weak and straggling growth, however, must be cleanly cut away and the plants kept freed of these at all times. Nice little single-stemmed plants with one immense truss of bloom, may be had by next spring from cuttings struck now. These cuttings of course must not be stopped or cut back, but kept free of any side growth. Those that are growing under pot culture may need a repotting once or twice, as the difference in vigor between the individual plants would indicate, until they are in 6 or 7-inch pots. Keep all these pots well watered so they will make their required growth before the fall. When the cool weather sets in you can start in ripening them up.

Getting Carnations Planted.

Growers who have some of their houses ready would do well to plant them up. The housing of carnations can be done from now and up to the 15th of August. Be sure the houses are made thoroughly clean before starting to plant. To make the atmosphere more congenial both for the plants and help, give them a shading of some material that will come off easily. In

lifting the plants from the field give them some protection from the sun and drying winds. Select only the best and most shapely and make the hole large enough to hold all the roots nicely. When planted they should have a good soaking. This is better done at short intervals so that none have a chance to flag. Keep them sprayed two or three times a day and also keep the house or houses rather close for about three or four days.

Mignonette for Winter Flowering.

To ensure a good crop of mignonette for winter cutting the seed should be sown early. If sown now they will make strong plants by early winter. Where a house that is cool is available and a solid bed possible sow the seed there as they always give better spikes and more of them when planted in solid beds. Give them a very rich compost, say two loads fibrous loam, to one of well decayed cow manure. When the beds or benches are filled have the surface made nice and fine before the seed is sown. Make rows lengthwise and crosswise 12 inches apart and sow three or four seeds where the lines cross. See that the seed is covered lightly and then press down firmly. Keep moist until the seedlings appear when they should have enough of water to keep them growing. When the plants show their second pair of leaves, thin to two, and later you can leave only one.

Calanthes.

Keep a sharp lookout as to watering the calanthes, going over them twice a day to prevent any of them from becoming overdry. These orchids do not like as much spraying as either cattleyas or dendrobies. A spraying in the morning will be enough and they should have their foliage dry by night. When they are left wet over night spot will very likely develop. We sometimes run into quite a few nights during July and August which become rather cool. When this happens start a little fire. Calanthes want a temperature of not less than 70 degrees during the night. Give enough of ventilation to keep the air buoyant.

Keeping Weeds Down.

We are now at a season when all kinds of weeds both inside and outside soon start up and grow apace. Do not be neglectful in keeping the soil clear of these tramps of the vegetable kingdom. Weeds rob whatever crop you may be growing by taking up the plant food which should be left there for the crop. Keep all benches in the houses as well as the ground outside clear of weeds by frequent weeding and cultivation.

Mr. Farrell's next notes will be on the following: Callas; Gardenias; Geraniums; Rambler Roses; Planning for Next Winter; Solanums.

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HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—A Natural Rock Garden.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Crotons—Hydrangeas—Getting Carnations Planted—Mignonette for Winter Flowering—Calanthes—Keeping Weeds Down—John J. M. Farrer.....	5
CLUBS AND SOCIETIES—American Sweet Pea Society—Secretary Bunyard's Report Prize Awards.....	7
American Association of Nurserymen—Henry B. Chase, President-elect, Portrait—Medford Horticultural Society—St. Louis Florists' Club.....	8
Nassau County Horticultural Society—American Carnation Society—New York Florists' Club—The Newport Show—Massachusetts Horticultural Society—Club and Society Notes.....	9
New Bedford Horticultural Society.....	10
A NATURAL ROCK GARDEN.....	10
SEED TRADE—American Seed Trade Association—Concluding Notes on Annual Convention.....	12
Lester L. Morse, President-elect, American Seed Trade Association and American Sweet Pea Society, Portrait	13
California Notes—Notes.....	14
OF INTEREST TO RETAIL FLORISTS:	
New Flower Stores—Steamer Departures.....	16
Flowers by Telegraph.....	17
DURING RECESS—A Souvenir of Waretown, Illustration—N. Y. and N. J. Association of Plant Growers...	19
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, New York, Philadelphia.....	21
St. Louis, Washington.....	23
BOSTON CONVENTION NOTES.....	23
OBITUARY—Charles Frueh—John S. Parks—Isaac Kennedy—Joseph Wolniewicz—Robert Rust.....	28
MISCELLANEOUS:	
News Notes.....	17
Chicago Notes—Philadelphia Notes.....	18
Washington Notes.....	18
Reception to Dr. Galloway.....	18
Knoxville, Tenn., Notes.....	19
"Some" Marathon.....	19
Visitors' Register.....	19
Carnation Alice.....	23
Personal—Cincinnati Notes.....	23
Fires—New Corporations.....	28
Massachusetts Agricultural College.....	28
Greenhouses Building or Contemplated.....	30
Community Orders.....	30

estate or the workings and product of some prosperous commercial establishment. On such occasions the hospitality extended is free-hearted and unstinted and these red-letter days in the life of the florist or gardener, made memorable by the courtesies and social pleasures enjoyed, the new friendships made and older ones more firmly cemented. The poet might well have said—"Angels (and florists) from friendship gather half their joys." In the horticultural avocations it is ever true that "souls by instinct to each other turn, demand alliance and in friendship burn." But these occasions have a value far beyond the entertainment and the comradeship. They are an education in themselves, teaching by example, which is the great school of mankind, and we cannot have too many of them.

Referring to our recent editorial note, **Bulb troubles** commenting on the reported advance in prices on bulbs for export by the Holland dealers, a subscriber in the middle west writes: "Perhaps the thrifty Dutchmen are trying to make up the money they lose in making good for the bulbs that failed last year. Florists here refused to order more unless they made compensation for the loss." From all evidence at hand we are satisfied that there was an unprecedented proportion of defective tulips shipped to this country last season, both for forcing purposes and for outdoor planting. Representatives of Holland dealers with whom we have talked are not disposed to deny this but attribute the trouble to the unfavorable growing and harvesting weather of the previous season and to the overheating of the bulbs in certain steamers in transit. We do know, however, of some stocks of such satisfactory quality that no complaint could reasonably be made. These were from growers of established reputation as a rule. American growers would do well to avoid buying from speculative concerns who own no bulb fields and whose only visible asset is their catalogue. Better still, place the orders with responsible American importing houses that are familiar with conditions abroad and know who are the reliable Holland firms.

Men who were active in the plant trade or in the Society of American Florists twenty-five years ago will recall the agitation for uniformity of shape and sizes in flower pots and the difficulties and controversies that were encountered before the desired standard was devised and adopted. Previous to that time every manufacturer had his own standard of dimensions but when the S. A. F. finally adopted and recommended its standard for universal use its advantages appealed so strongly to the growers that there was an immediate stampede of pot manufacturers to get in and comply to the letter with the requirements. As is well known, absolute uniformity was not attained although an immense advance was accomplished, and the situation since has been further confused by the fact that the official scales and drawings of the committee never came into the possession of the Society, were never recorded in its printed reports, and when requests have been made on the secretary's office for standard scales none could be supplied and those manufacturers having machinery adjusted to the original official standard have not been disposed to give out their measurements for the benefit of competitors. We hope to see the Society take up this matter in earnest at the Boston Convention and re-establish and perfect its standard scale so that same may be officially recorded and published broadcast for the benefit of the trade.

Entertainment and education

It becomes our pleasant privilege quite frequently to report the visit of the members of one or another club or other association, on invitation, to inspect and enjoy the beauties of some private

CLUBS AND SOCIETIES

AMERICAN SWEET PEA SOCIETY.

The annual meeting of the Sweet Pea Society at the Museum of Natural History, New York, on Saturday, June 27, was a well attended and most successful affair. The addresses by the officers, Prof. A. C. Beal's report on the Cornell Trial Grounds and the lecture on Sweet Peas—Past, Present and Future by Frank G. Cuthbertson were listened to with interest and the exhibition was by far the finest ever made in America.

Lester L. Morse of California was elected as the new president of the society. Vice-president A. M. Kirby, secretary H. A. Bunyard, treasurer A. T. Boddington, recording-secretary J. H. Pepper and the various committees were re-elected. The selection of the next meeting place was left for the executive committee.

In the evening there was a banquet to the judges and the officers at Hotel Endicott, attended by about twenty gentlemen. A. T. Boddington was toastmaster and the speeches were varied and interesting, bringing to a happy close a most successful meeting.

In the list of winners in the exhibition, which appears herewith, it will be noticed that the name of President Wm. Sim does not appear. This was due to no fault of Mr. Sim, but to the American Express Company which had Mr. Sim's shipments on the trucks at 7 a. m. Saturday ready to go to the hall and did not deliver them until 1.30 p. m., after the judging had been completed and the flowers were spoiled by their long exposure to the hot sun. This exhibit by Mr. Sim when arranged filled a table 300 feet long and contained over 20,000 flowers, being as large as the rest of the show all together. It filled fifty boxes and occupied fifteen people on Friday, picking and packing, and it is a shame that after such effort and expense it should come to grief through the neglect of local transportation employees.

Secretary Bunyard's Report.

Right at this spot, five years ago almost to a day, July 7, 1909, The American Sweet Pea Society was born. At that time I said, "The Sweet Pea Society should be a success, must be a success." I leave it to you that at least we are on our way, if we take the trouble to look over the exhibits now shown here in this building, perhaps the finest general exhibit of sweet peas ever shown in this country—if not in the world. Nearly sixty exhibitors and over 2000 vases of sweet peas besides table and other decorative features. We have with us today nearly all our charter members with perhaps one great exception, the gentleman who helped us to organize our society when we needed all the moral support that could be brought to bear. I allude to the late Prof. John Craig, who was indeed a gentleman and a scholar and who organized our trial grounds at Cornell University and which today are under the efficient guidance of Prof. A. C. Beal. The following bulletins have been issued, up to date; No. 319, "Winter-flowering

Sweet Peas;" No. 320, "Culture of the Sweet Pea;" and No. 342, "Classification of Garden Varieties of the Sweet Pea;" all of which have been sent to the horticultural press and to our members in good standing; today they are standard works.

In the commercial cut-flower market the Sweet Pea stands third as an all-around flower and has been a money maker for the growers, commission merchants and retail florists alike. You cannot gainsay that it is one of the most democratic and popular flowers of today. The seedsman, too, will tell you he sells more sweet pea seeds today in bulk and in value than any other flower seed. Therefore, the sweet pea is of importance to us all, then why not a society to advance this beautiful and ever increasing popular flower?

In the past ten years, advancement has been made by the sweet pea. From the Grandiflora type has evolved the Spencer type, the Winter-flowering Grandifloras and now the Winter-flowering Spencers. The American Sweet Pea Society has helped to advertise the sweet pea for us all and has helped to put it on the horticultural map.

I regret that the American Sweet Pea Society has not received from some quarters the support it deserved, but then, this is simply the history of all societies. I want to thank the horticultural press at this time, however, for their unqualified support and the gentlemen who are not only members, but who have given their time and financial support far beyond their obligations to the society.

We have today, all told, about 200 members in good standing and 14 life members. Our financial condition is healthy; no big surplus, but money enough to take care of all obligations. Apart from the exhibition, we do not owe a penny and this is so far financed that we shall more than come out even through guarantees, donations and prizes generously offered by the trade and others. We have no paid officers.

During the past six years, we have held nine exhibitions, six summer and three winter; two in New York under the auspices of the Horticultural Society of New York; two in Boston, under the auspices of the Massachusetts Horticultural Society; one in Philadelphia, under the auspices of the Pennsylvania Horticultural Society and the three winter exhibitions in co-operation with the S. A. F. & O. H. National and other flower shows, awarding during that time nearly \$10,000 in cash, cups, medals and other prizes in kind.

I hear someone say, "how about affiliation?" which also reminds me about a letter I received today from a member who resigned saying he could not afford to be continually paying out dues to so many societies. I wrote him that I was feeling the same way and suggest a blanket due covering all societies. If the S. A. F. & O. H. should say to us, as a mother society, "come and sit on our knee and tell us all your troubles and let us see if we cannot help you and your good work along," I think we would at least

meet her half way. 'Tis true, we have not received any help directly, though her members are always willing to help us financially and morally. I am grateful for all the support, also especially to the Horticultural Society of New York, the Massachusetts Horticultural Society and the Pennsylvania Horticultural Society, who have been more than generous and courteous in the past. The future too, is brighter today than ever for our youthful and useful society and in conclusion I might add the prophetic simile of Rev. W. T. Hutchins,

"The Sweet Pea has a keel that was meant to seek all shores; it has wings that were meant to fly across all continents; it has a standard which is friendly to all nations; it has a fragrance like the universal Gospel; yea, a sweet prophecy of welcome everywhere that has been abundantly fulfilled."

Prize Awards.

PRIVATE GARDENERS—SECTION A.

Peter Henderson & Co.'s prizes, for 12 vases, 12 varieties of Spencer Sweet Peas: 1st, Mrs. W. B. Leeds, Newport, R. I., gard. Wm. Gray; 2nd, Giraud Foster, Lenox, Mass., supt. Edwin Jenkins; 3rd, M. T. Cockeroff, Naugatuck, Conn., gard. Adam Paterson.

A. T. Boddington prizes, for collection 25 varieties: 1st, and challenge cup, Mrs. W. B. Leeds; 2nd, Adolph Lewisohn, Aidsley, N. Y., gard. J. Canning; 3rd, Mrs. Benj. Stern, Roslyn, N. Y., gard. W. D. Robertson.

The Stump & Walter Co.'s prizes, for six vases Spencer varieties: 1st, J. J. Downey, Portchester, N. Y., gard. Thos. Ryan; 2nd, Giraud Foster; 3rd, Mrs. Robt. Winthrop, Lenox, Mass.

H. A. Dreer prizes for Florence Nightingale: 1st, H. Darlington, Mamaroneck, N. Y., gard. P. W. Poppy; 2nd, J. W. Pepper, Jenkintown, Pa., gard. W. Robertson. Queen Alexandra Spencer: 1st, J. W. Pepper, White Spencer; 2nd, Giraud Foster; 3rd, J. W. Pepper.

Mount Desert Nurseries prize, best vase of one variety, arranged for effect: 1st, Mrs. W. B. Leeds; 2nd, H. W. Fischer, New Canaan, Conn., gard. R. Bottomley.

Watkins & Simpson prize, six vases Spencer: 1st, Paul M. Warburg, Hartsdale, N. Y., gard. Frank C. Luckenbacher.

Michell silver medal, for best vase Spencer varieties: M. T. Cockeroff.

Knight & Struck Company's prizes, vase containing 25 sprays, in variety, no two alike in shading: 1st, Mrs. W. B. Leeds; 2nd, J. J. Downey; 3rd, Giraud Foster.

Burnett Brothers' silver cup. For best three vases, distinct colors, Paul M. Warburg.

American Sweet Pea Society's prizes, for the best display for effect; first prize, The American Sweet Pea Society's Silver Medal and \$25.00; second prize, The American Sweet Pea Society's Bronze Medal and \$15.00. 1st and silver medal, A. A. Mason, Tuxedo, N. Y., gard. David S. Miller; 2nd, and bronze medal "Highlawn" Lenox, Mass., gard. Geo. Fouisham.

Table decoration: 1st, and Thos. F. Galvin cup, F. Berthuser, Graystone, Yonkers, N. Y.; 2nd, H. L. Pratt, Glen Cove, L. I., gard. H. Gaut.

PRIVATE GARDENERS AND AMATEURS—SECTION B.

W. Atlee Burpee cup, for 12 vases, 12 varieties: Paul M. Warburg.

W. Atlee Burpee prizes. For one variety Spencer introduced 1914: 1st, J. J. Downey; 2nd, Giraud Foster; 3rd, Mrs. Moses Taylor, Mt. Kisco, N. Y., gard. Alex. Thompson.

Sutton & Sons' cup, for best table of sweet peas, covering 12 square feet: "Highlawn" Lenox, Mass.

Weeber & Don prize, for vase of 100 sprays, arranged for effect, W. E. Reis, and Mr. Grunert.

AMATEURS—SECTION C.

Special prizes in these classes were offered by Peter Henderson & Co., A. T.

Boddington and John Lewis Childs, in addition to the regular society prizes, and all were awarded.

RETAIL FLORISTS—SECTION D.

New York Florists' Club Prizes for table decoration: 1st, Max. Schling, New York; 2nd, Alfred T. Bunyard, N. Y.

Mantel Decoration: 1st and silver medal, Max Schling; 2nd, and bronze medal, A. Kottmiller, New York.

Bridal Bouquet: 1st, Alfred T. Bunyard; 2nd, A. Kottmiller.

Hamper: 1st, Max Schling.
Corsage: 1st, Max Schling; 2nd, A. T. Bunyard.

The Florists' Exchange prize for boutonniere, A. T. Bunyard.

SCHOOL CHILDREN—SECTION E.

The F. E. Palmer vase, Saugus High School, Saugus, Mass.

Boddington Bronze Medal for Horticulture, Saugus High School.

Other prizes in this section were worthily awarded to a number of children.

OPEN AND MISCELLANEOUS CLASSES—SECTION F.

For the finest display (open to the Seed Trade only), to count; second prize, The American Sweet Pea Society's Silver Medal; third prize, The American Sweet Pea Society's Bronze Medal: 1st, and C. C. Morse & Co.'s cup, W. Atlee Burpee Co., Philadelphia, Pa.; 2nd and silver medal, Arthur T. Boddington, New York.

For the largest and most artistic arrangement of Sweet Peas, Gold Medal to Arthur T. Boddington and W. Atlee Burpee Co.

SPECIAL PRIZES BY THE HORTICULTURAL SOCIETY OF NEW YORK—SECTION G.

Spencer varieties only. The winning variety in each class is given.

Pure White. 1st, Mrs. Robt. Winthrop, with King White; 2nd, Mrs. W. B. Leeds; 3rd, Giraud Foster.

Crimson or Scarlet. 1st, Mrs. Robt. Winthrop, with Vermillion Brilliant; 2nd, Mrs. W. B. Leeds; 3rd, Mrs. Moses Taylor.

Rose or Carmine. 1st, Giraud Foster, with Geo. Herbert; 2nd, Mrs. Moses Taylor; 3rd, Paul M. Warburg.

Light Pink. 1st, Mrs. W. B. Leeds, with Elfrida Pierson; 2nd, Mrs. Robt. Winthrop; 3rd, Mrs. Moses Taylor.

Deep Pink. 1st, Mrs. W. B. Leeds, with Constance Oliver; 2nd, Mrs. Robt. Winthrop; 3rd, Mrs. Moses Taylor.

Blue. 1st, Mrs. W. B. Leeds, with Blue Jacket; 2nd, Giraud Foster; 3rd, Mrs. Robt. Winthrop.

Cerise. 1st, Daniel G. Reid, Irvington, N. Y., gard. Arthur Golding, with John Ingman; 2nd, J. D. Barron, Esq., Rye, N. Y., gard. J. Linane.

Cream or Cream Yellow. 1st, Giraud Foster, with Primrose Beauty; 2nd, Mrs. Robt. Winthrop; 3rd, Mrs. Moses Taylor.

Salmon or Orange. 1st, Mrs. Robt. Winthrop, with Edna Unwin; 2nd, Mrs. W. B. Leeds; 3rd, Giraud Foster.

Lavender or Mauve. 1st, Mrs. W. B. Leeds, with Edna Unwin; 2nd, Mrs. Robt. Winthrop; 3rd, Giraud Foster.

Violet or Purple. 1st, Giraud Foster, with Purple Prince; 2nd, Mrs. Robt. Winthrop; 3rd, J. M. Cooke, Tarrytown, N. Y.

Picotee-edged. 1st, A. A. Mason, with Elsie Herbert; 2nd, Mrs. A. Crane, Stamford, Conn.; 3rd, Mrs. W. B. Leeds.

Striped or Flaked Red or Rose. 1st, Mrs. W. B. Leeds, with American Spencer; 2nd, Giraud Foster; 3rd, Mrs. Robt. Winthrop.

Striped or Flaked Blue or Purple. 1st, Mrs. W. B. Leeds, with Loyalty; 2nd, Mrs. Moses Taylor; 3rd, Giraud Foster.

Bicolor other than Picotee-edged. 1st, Mrs. W. B. Leeds, with Mrs. Cuthbertson; 2nd, Mrs. Robt. Winthrop; 3rd, Mrs. Moses Taylor.

Any other color. 1st, Giraud Foster, with Senator Spencer; 2nd, Mrs. Robt. Winthrop; 3rd, Mrs. Moses Taylor.

F. R. Pierson Cup for exhibitor taking the most first prizes in this section, Mrs. W. B. Leeds.

Garden Magazine Achievement Medal for finest vase of Sweet Peas in Section G, Mrs. W. B. Leeds with Mrs. Cuthbertson.

SECTION H.

Michell Special Prizes for Geranium Helen Michell: 1st, J. W. Pepper; 2nd, Mrs. French Vanderbilt, Newport, R. I.; 3rd, H. A. Poth, St. Davids, Penn. Special award of \$10.00 to Henry Goldman.

The following varieties were exhibited for the Boddington Challenge Cup, 25 vases in 25 varieties:

Elfreda Pearson, Lady Evelyn Eyre, Charles Foster, Empress Eugenie, Martha Washington, Mrs. C. W. Bradmore, Prince George, Nubian, Queen of Norway, Dorothy Tennant, Wedgewood, Hercules, Thos. Cuthbertson, Blue Jacket, Clara Curtis, Maud Holmes, Helen Lewis, Loyalty, King White, Rosabelle, Etta Dyke, America, Thos. Stevenson, Orchid, John Ingman.

The Society's certificates of merit were awarded to the following:

Julius Roebers Co., Rutherford, N. J., for collection of orchids; Bobbink & Atkins, Rutherford, N. J., for delphiniums; John Lewis Childs, Floral Park, N. Y., for lilies and Japanese iris; Knight & Struck Co., for achimenes and iris.

William Sim, Cliftondale, Mass., was awarded the Society's Silver Medal for a collection of sweet peas.

AMERICAN ASSOCIATION OF NURSERYMEN.

The Convention of this Association at Cleveland of which we gave a partial account last week was a great success in point of numbers and enthusiasm and the splendid hospitality extended by the nurserymen and others of Cleveland and vicinity is a continual topic of praise and happy reminiscence.



HENRY B. CHASE

President-Elect American Association of Nurserymen.

cence on the part of the returning delegates. The program was carried out very fully and the business transacted was of the kind that the trade generally will derive much benefit from.

The election of officers for the coming year resulted in the choice of Henry B. Chase as president; E. S. Welch, Shenandoah, Ia., vice-president, Peter Youngers, Geneva, Neb. (re-elected) treasurer. The veteran secretary, John Hall of Rochester, N. Y., declined a re-election, but will hold over until a suitable successor is selected by the Executive Committee. The president-elect is president of the Chase Nursery Company, Chase, Ala., and has been an efficient worker in the ranks of the society. The selection of the next place of meeting was an engrossing event while it lasted. Invitations were numerous, San Francisco, Detroit, Atlanta, New Orleans, Atlantic City, Buffalo, St. Louis and several other cities putting in eager claims. The San Francisco boomers made a great appeal but when the votes were counted Detroit was the

winner on the basis that for the serious business of the society it would be a better location and those members who wish to see the Panama-Pacific show can do so at their own convenience.

MEDFORD HORTICULTURAL SOCIETY.

The Medford (Mass.) Horticultural Society held its annual June exhibition on Tuesday, the 23rd, and although the city has been suffering from drought yet excellent exhibits were staged. The various tables were artistically arranged by Mrs. D. J. Puffer and her aids comprising the exhibition committee. Individual exhibits also showed good taste in arrangement. Especially to be commended were the centrepieces for dinner table, there being quite a few entries, and not a poor one among them. The principal prize winners were Miss R. M. Arrington, Hon. Wilton B. Fay, Mrs. Harry Highly, Mrs. Helen McKay and Alfred Wilmot. Messrs. Cameron, Harvard Botanic Garden, Johnson of the Converse estate, Malden, and Stewart of the Lawrence estate, Medford, acted as judges.

The next exhibition will be held in the early part of September, and intending exhibitors may get all information by addressing Mrs. D. J. Puffer, chairman of the exhibition committee.

GEORGE F. STEWART.

CONNECTICUT HORTICULTURAL SOCIETY.

The regular bi-monthly meeting of this society was held on Friday evening, June 26th. An invitation was received from Prof. A. G. Gulley, of the Connecticut Agricultural College, to meet at that place with the Pomological Society and the Vegetable Growers on July 22nd and 23rd, and it was unanimously voted to accept the invitation.

This was "hardy perennials" night and one of the finest collections was staged by Warren C. Mason, John F. Huss and W. W. Hunt, containing in the neighborhood of 161 varieties, and with a magnificent display of Canterbury Bells by Fred K. Wisner and of sweet peas by John C. Willard, it made a glorious sight. Messrs. Mason and Willard received a first-class certificate each, and Messrs. Huss, Wisner and Hunt received certificates of merit. Mr. Mason remarked on the peculiarities of some of the varieties in his collection, selecting certain specimens for their hardiness and fitness for filling in, etc. The meeting was well attended.

ALFRED DIXON, Sec'y.

ST. LOUIS FLORIST CLUB.

The twenty-eighth anniversary banquet of the St. Louis Florist Club took place at the Hotel Jefferson, Wednesday evening, June 24, at which 75 attended, including quite a number of ladies. It was one of the best social affairs ever given by the club. The hall was beautifully decorated with plants and the tables with Richmond roses. At the head table were seated President W. J. Pilcher and all ex-presidents present and W. J. Pilcher was selected as toastmaster. After a splendid menu had been served, President Pilcher talked on the affairs of the club and in turn called on ex-

presidents F. J. Fillmore, J. J. Beneke, Geo. B. Windler and R. J. Windler. Other members, too, were called upon for a few remarks. Everybody had a good time and the night will be long remembered by all.

The next regular meeting of the club will be held July 9, when nominations of officers will take place.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual Rose Show of the Nassau County Horticultural Society was held Tuesday, June 16, at the Nassau Country Club, by kind permission of the Governors. James Macdonald was manager; and James Duthie, Fred Kirkham and William Gray judges.

The principal prize winners in the rose section were:

Mrs. J. T. Pratt, gard. J. W. Everitt; H. S. Ladew, gard. Jos. Adler; Mrs. W. E. Kimball, gard. Jas. McCarthy; Mrs. H. L. Pratt, gard. Henry Gaut; Paul Dana, gard. Jas. Gladstone; Mrs. C. F. Cartledge, gard. W. Noonan; Mrs. J. C. Ayer, gard. Harry Jones; Mrs. F. S. Smithers, gard. V. Cleres. On perennials, annuals, sweet peas, peonies, delphinium, digitalis, etc., Mrs. H. L. Pratt, Mrs. B. Stern, gard. Herman Gold, Mrs. C. F. Cartledge, Mrs. J. C. Ayer, Mrs. W. V. Hester, gard. H. Boettcher, Paul Dana, H. S. Ladew and Mrs. W. E. Kimball were the winners. In the vegetable section the prizes went to Mrs. H. L. Pratt, Percy Chubb, gard. F. Honeyman, A. G. Hadenpyle, gard. F. Petrocchia, Paul Dana, Mrs. W. V. Hester, Mrs. F. S. Smithers, Mrs. C. D. Smithers, gard. Pierre Charbonand, H. C. Smith, gard. Alfred Walker. First prize for best table decoration was won by F. Honeyman with crimson sweet peas, spiraea and adiantum; second by Harry Jones, with Mrs. Aaron Ward roses and natural foliage. Cultural certificates were awarded to Mrs. H. L. Pratt and Mrs. C. F. Cartledge for collection of sweet peas and Mrs. C. D. Smithers for Romaine lettuce. HARRY JONES.

AMERICAN CARNATION SOCIETY.

Herman C. G. Schwarz, Central Park, N. Y., registers the new carnation described below:

Siren. Seedling cross with Enchantress. Color brilliant flesh pink. Size $3\frac{1}{2}$ to 4 inches. Ideal upright grower and easy rooter. Dark green foliage and no surplus grass. Produces flowers freely on long strong stems.

A. F. J. BAUR, Sec'y.

NEW YORK FLORISTS' CLUB.

President Duckham has appointed W. F. Sheridan, Wm. H. Siebrecht, A. L. Miller, Jos. A. Manda, Frank H. Traendly, John B. Nugent, Chas. B. Weathered, as the nominating committee to prepare a list of candidates for office for 1915. JOHN YOUNG, Sec'y.

CLUB AND SOCIETY NOTES.

Ernest Moore succeeds Robert Fields as secretary of the Kansas City Florists' Club. Mr. Fields will enter the electrical business.

The eighth annual outing of the Greek-American Florists' Association of New York will be held at Witzel's Point Grove, College Point, L. I., on Wednesday, July 8th.

The annual field day of the Essex County (N. J.) Florists' Club will be held at Brunner's Grove, Hilton, N. J., on August 6th. R. Yuill is chairman of the committee on arrangements.

The Gardeners' and Florists' Club of Baltimore will hold their annual outing at Beull's Park on Monday, July 20th. F. C. Bauer, C. H. Wagner, James Boone, John Nuth, James Glass, A. G. Fiedler and Wm. F. Ekas are the committee in charge.

THE NEWPORT SHOW.

The second annual summer exhibition under the joint auspices of the Newport Horticultural Society and Newport Garden Association was held June 24, 25 and 26 on a lot which is a part of the estate of Ex-Senator Wetmore. This lot, which is about four acres in extent, proved to be an ideal place and was laid out in garden effect, with beds of roses, antirrhinum, dianthus, petunias, violas and other things which were a part of the competing exhibits.

A variety of specimen evergreens, sweet peas in tubs and miniature aquatic ponds were also used in forming the garden scheme. A well-equipped bandstand was also a very pleasing feature. The exhibits requiring cover were provided for by several large tents which were well filled. The committee of arrangements included A. MacLellan, A. S. Meikle and Secretary Gray from the Society, with three members from the association. Much praise was heard of their work.

Bruce Butterson, A. L. Dorward and J. Robertson were the judges for the society, and Joseph Manda was the manager of the exhibition.

Besides about one hundred schedule classes being filled, many specials were staged, making the show easily the largest ever held in Newport.

Following is a list of the most important first awards:

Bed cantebury bells; Mrs. H. M. Brooks, gard. James Bond. Bed sweet william; James Bond. Bed stocks; Arthur Curtis James, gard. John Gratrix. Bed antirrhinum; Mrs. W. W. Sherman, gard. Andrew Ramsay. Bed bulbous plants; Mrs. French Vanderbilt, gard. Daniel Hay. Tub sweet peas; Mrs. W. G. Weld, gard. James Watt. Two beds violas; Andrew Ramsay. Display schizanthus; Vincent Astor, gard. James Boyd. Bed hydrangeas; Oscar Schultz. Trained retinospora; Hugh Meikle. Bed roses; E. Kempenaar. Display topiary plants; Bobbink & Atkins. Gloxinias; Mrs. T. M. Davis, gard. Victor May. Calceolarias; James Bond. Bed petunias; Andrew Ramsay. White roses; Mrs. W. B. Leeds, gard. W. Gray. Yellow carnations; August Belmont, gard. John Forbes. Jacqueminot roses; Miss Edith Wetmore. Group foliage plants; J. J. Van Allen, gard. Richard Gardner. Ferns; James Bond. Table plants; James Bond. Display orchids; Paul de Nave. Specimen kentia; James Boyd. Specimen phoenix; James Boyd. Specimen palm; Mrs. H. McK. Twombly, gard. Alexander Fraser. Specimen fern; James Bond. Group foliage and flowering plants for Hitchings & Co. silver cup; James Bond. Three orchids for Knight & Struck prize; Mrs. Stuart Duncan, gard. W. McGillivray. Six tuberous plants for Joseph Breck & Sons prize; James Watt. Twelve pots annuals for W. B. Scott prize; James Bond.

In the cut rose section, the following were the most successful competitors:

C. M. Bugholt, J. B. Urquhart, W. Gray, Arthur Leary, Victor May, C. Robertson, Hugh Williamson, W. MacKay and John Forbes. Sweet peas were shown in excellent quality by James Watt, Victor May, C. M. Bugholt, W. MacKay, F. P. Webber and Thomas Brook. Fruit was scarce but good. The firsts were G. Fraser, for black grapes, Victor May for white grapes, James McLeish, nectarines, Daniel Hay for three varieties of strawberries, and John Baumgartner for collection of strawberries. The most successful competitor in vegetables was J. B. Urquhart, he winning a silver cup offered by J. M. Thorburn & Co. for twelve distinct kinds, and also a prize offered by T. J. Grey & Co. for six kinds.

Alex. Fraser was the leader in centre-pieces, specials and fancy baskets. Among the many specials, the following were the most noteworthy: A collection of water lilies from H. A. Dreer; a miniature Japanese flower garden, by Hugh Williamson; fruited grape vines in tubs, by W. MacKay; display of miscellaneous plants and exhibit of cut roses from A. N. Pierson.

the roses being awarded the only silver medal given at the show; Calceolaria plants, by James Boyd; exhibit of orchids from Julius Roehrs Co.; collection of evergreens in tubs from Wilson's Nurseries; specimen tuberous begonias from James Watt; bay trees from Julius Roehrs Co.

On the evening of the second day of the show Mr. H. A. C. Taylor, for whom President MacKay, of the Horticultural Society, is gardener, gave a dinner at the Bellevue Hotel to the main workers at the show—visitors, officers of the society and members of the press—making thirty in all. After dinner had been thoroughly enjoyed President MacKay conducted a speech-making session which was led by Joseph Manda giving his ideas about the show. Others who followed in the same line were Bruce Butterson, A. K. McMahon, Alex. MacLellan, J. B. Urquhart, John Hay, C. H. Atkins, Leo Ostermeier, John E. Lager, H. T. Beers and F. H. Hammett. J. R.

MASSACHUSETTS HORTICULTURAL SOCIETY.

Rose and Strawberry Exhibition.

This annual event took place on Saturday and Sunday, June 27 and 28, at Horticultural Hall, Boston, and was, as always, a popular attraction. Considering that the weather had been hot and dry, the showing of roses was excellent in quality and quantity, and the strawberries were particularly good. The large displays of peonies and herbaceous border flowers helped to give profusion and brilliancy to the general riot of color and altogether the picture was a gorgeous one.

Miss S. B. Fay was a leading rose exhibitor, her flowers being staged by M. H. Walsh. Other large prize winners in the rose classes were A. W. Preston, T. N. Cook, Wm. Whitman, A. F. Estabrook, Mrs. Frederick Ayer, Frederick Mason and Mrs. Albert Geiger, Jr. Jackson Dawson was given honorable mention for a group of seedling roses, one of which, a climber, named Mrs. Henry Sargent Dawson, was much admired. A similar award was given Miss Susan Mimis for a large display of the old York and Lancaster rose.

R. & J. Farquhar & Co. and the Mt. Desert Nurseries contributed huge banks of herbaceous bloom and each received a well-merited silver medal. Prize winners in the herbaceous flower section were Old Town Nurseries and Eastern Nurseries. T. C. Thurlow's Sons Co. were represented by a thousand or more peony blooms and received a gold medal for their work in popularizing this flower. Wm. Whitman was strong in sweet williams, larkspurs and campanulas and there were roses and hydrangeas from Miss Cornelia Warren, gladioli from Mrs. F. Ayer, streptocarpus and gloxinias from Mrs. J. L. Gardner, late peonies from A. H. Fewkes and Edelweis from Wm. Nicholson, the two last named receiving honorable mention.

Wilfrid Wheeler, Geo. F. Wheeler, Geo. V. Fletcher and E. S. Webster were the largest exhibitors in the strawberry section. Louis Graton, of Randolph, showed two seedling strawberries—"St. Martin" and "Meadow Sweet"—and won the prize for the best new strawberry not yet introduced. There was the usual large showing of fine vegetables from the crack market growers of Belmont, Arlington and Taunton.

Here are Three New 'Mums You Ought to Grow

ALICE SALOMON

Pure white. Larger than Chadwick, easy to grow. Ready to cut October 10 to October 25. Rooted Cuttings, \$7.00 per 100; 2½-in., \$9.00 per 100.

GOLDEN SALOMON

A sport of Alice Salomon. The same in every respect except in color, which is as its name implies, a golden yellow. Rooted cuttings, \$20.00 per 100; 2½-in., \$22.00 per 100.

CHIEFTAIN

A pink described by the E. G. Hill Co., as a Pink Bonaffon ready to cut about 10 days earlier than Enguehard. Rooted cuttings, \$12.00 per 100; 2½-in., \$14.00 per 100.

 We believe that the above 'mums are valuable additions to the lists of commercial varieties and recommend them as such.

NEW SINGLES Rooted Cuttings, \$8.00 per 100, 2½-inch, \$10.00 per 100

MENSA

This is the splendid white that attracted so much attention at the Fall Flower Shows and is considered the best single white in the market for cut flowers or plants.

PAULINE

This variety sported with us. It is a dark single bronze, very attractive and is a splendid grower. Order now of these and you will not be disappointed.

SUPREME QUALITY ROSE STOCK

BEST PLANTS THAT MONEY CAN BUY. Growers are always on the lookout for quality rose stock. They realize that the best at the start is the cheapest in the end. When buying plants it is always best to secure your stock from people that have a reputation for producing the best there is to be had. You cannot get any better stock than that which we are offering, for we always aim to give the purchaser the best that our long years of experience enable us to do.

GRAFTED ROSES

2½-in. Plants.

Pink Killarney, White Killarney, Milady, Killarney Queen, Mrs. Aaron Ward, Mrs. Taft (Bulgaria or Antoine Rivoire), Richmond, Mrs. Geo. Shawyer, at \$12.00 per 100; \$100.00 per 1000.
Mrs. Chas. Russell, grafted, 2½-in., at \$15.00 per 100; \$120.00 per 1000.
Killarney Brilliant, grafted, 2½-in., at \$30.00 per 100; \$250.00 per 1000; 3½-in., \$35.00 per 100; \$300.00 per 1000.

2½-in. Plants.

Richmond, 2½-in., \$90.00 per 1000; 3½-in., \$120.00 per 1000. Richmond and Milady are extra strong plants.

3½-in. Grafted.

Milady, Mrs. Geo. Shawyer, Bulgaria, Killarney Queen, Pink Killarney, Aaron Ward, \$15.00 per 100; \$135.00 per 1000.

150 Russell and 100 small Hadley at \$15.00 per 100.

OWN ROOT ROSES

2½-in. Plants.

Killarney, Mrs. Taft, (Bulgaria or Antoine Rivoire) Wards, Milady, at \$6.00 per 100; \$55.00 per 1000.
Sunburst, \$7.50 per 100; \$70 per 1000.

3½-in. Plants.

Pink Killarney, Mrs. Ward, Mrs. Geo. Shawyer, Milady at \$8.50 per 100; \$75.00 per 1000.
Richmond at \$7 per 100; \$65.00 per 1000.
Bulgaria, 3½-in., \$7.50 per 100.
Sunburst, \$9.00 per 100.

Cecil Brunner, \$8.00 per 100; \$75.00 per 1000.

Beauties, 3-inch, \$6.00 per 100; \$55.00 per 1000. Ready to ship. All first class stock. 2-in. Beauties all sold.

Orders will be taken for cut back benched plants, when these are on hand, for White Killarney, Mrs. Ward, Double Pink Killarney and Melody, at \$5.00 per 100; \$40.00 per 1000. Beauties at \$6.00 per 100; \$55.00 per 1000.

These prices are in cash or net 30 days in to days.

POEHLMANN BROS. CO., BOX 127, Morton Grove, Ill.

NEW BEDFORD HORTICULTURAL SOCIETY.

The rose show held by the New Bedford Horticultural Society on Wednesday, June 24, was a great success and was largely attended. The committee had rather gloomy forebodings of a failure when they found Miss Sarah B. Fay and M. H. Walsh of Woods Hole, could not send their usual fine display owing to a very backward season, and local growers told sorrowful tales of roses past and gone or not yet in flower, but when everything was in readiness for judging it became evident that many littles make a mickle, and the hall was filled to overflowing. Without the magnificent specimens from the above mentioned growers the wonderful possibilities of the rose were not as strongly emphasized as in previous years, but the splendid display of varied types by amateur growers showed plainly the adaptability of the rose for cottage gardens, and likewise gave flower lovers a fine chance for selection of varieties suitable for home culture. Note books and pencils were being worked overtime and clearly emphasized the fact that the Hybrid Tea has aroused great enthusiasm in this section. While there were some excellent exhibits of Hybrid Perpetuals, the general trend was toward the teas and their hybrids. Some of the newer climbing roses were shown in all their daintiness, conspicuous among them being Silver Moon, Dr. Van Fleet, Christine Wright and W. C. Egan. Among the teas and hybrid teas favoritism seemed to place Konigin Corola in first place with La Tosca, Lady Hillingdon, Mrs. A. R. Waddell, Farbenkönigin, White Maman Cochet,

J. J. L. Mock, Mabel Drew, Melanie Souper and The Daily Mail as close rivals.

Among the professional growers, H. E. Converse (D. F. Roy, Supt.) captured all the premiums, consisting of three cups, while Galen Stone (A. R. Griffin, Supt.) received a special award of merit for general exhibit of specimen blooms. James Garthly, gardener for the Rogers' estate, had his usual fine display tastefully arranged, and Wm. Keith, gardener for T. M. Stetson, filled a large table with an excellent group of plants and roses.

Among the amateurs, Miss Alice Stackpole of Mattapoisett, was the principal exhibitor and prize winner, having no less than sixteen firsts to her credit. Other winners in this class were H. B. Parlow, J. C. Forbes, F. G. Tripp, Hugh Beveridge, J. A. Nolet and W. F. Turner.

WM. F. TURNER.

A NATURAL ROCK GARDEN.

Our cover shows a rock garden entirely of Nature's handiwork on the estate of Mrs. B. B. Tuttle in Middlebury, Conn. When the picture was taken a few weeks ago, the mountain laurel or Kalmia latifolia was making a grand display. The scene is an old cart path winding through woods, flanked on both sides and as far as the eye can reach, with these flowers—a sight, once seen, never to be forgotten. At every turn a new and more beautiful picture is seen as the path winds its way among rocks and boulders of gigantic size, here and there dotted with tufts of ferns and mosses and out of the crevices and almost inaccessible places these lovely laurels blossom forth.

What an example of landscape gardening Dame Nature has set here! Where is the landscape architect who can produce anything to equal it?

M. J. POPE.

At the Sweet Pea Exhibition of the Lenna Horticultural Society last week, the winning exhibit in the class for twelve vases of fifty sprays each, comprised the following named varieties: Elfreda Pearson, Blue Jacket, Florence Nightingale, King White, Geo. Herbert, Blanche Ferry Spencer, Orchid, Irish Belle, Mrs. Hugh Dickson, Margaret Madison, Thos. Stevenson and White Spencer.

CHOICE ROSES

Per 1000

4	in. American Beauties...	\$85.00
3	in. American Beauties...	70.00
2½	in. Pink Killarney.....	30.00
1	in. Pink Killarney.....	40.00
2½	in. White Killarney.....	30.00
3	in. Radiance	40.00
3	in. Maryland	40.00
3	in. Lady Hillingdon	40.00
2½	in. Mrs. Geo. Shawyer...	55.00

This is selected stock from choicest cuttings.

L. B. CODDINGTON
MURRAY HILL, N. J.

DIAMOND COLLECTION AZALEAS

award at the International Exhibition at Ghent, Belgium. Exhibited by itself it will enrapture every one who views it. Average circumference of the plants, 9 feet. Suitable for private collection, park or estate.

Write for Conditions to Our New York Office, 17 State Street

K. J. KUYK, - - Ghent, Belgium

FOR SALE

OUR Diamond Collection of 100 specimen Indian Azaleas, in 100 choicest varieties, complete in all shades and colors.

This collection the only one of its kind in the world, obtained the highest

HYDRANGEAS-OTAKSA

Extra large plants in barrels for July and August Flowering.

We make a specialty of hydrangeas for late blooming, and have the finest lot of large specimen plants that we have ever seen. Plants are perfect in shape, from 4 to 5 ft. in diameter, 3½ to 4 ft. high, and are covered with blooms fine, beautiful, symmetrical plants, ranging from one hundred to two hundred blooms per barrel.

They have been kept backward, and are now just beginning to show color, and will bloom from now on through August. These plants are of exceptionally fine quality and are exceptionally good value. We have a very large stock of these plants in barrels, and can supply them in carload lots, at \$7.50, \$10.00, and \$15.00 each. We can supply a more limited stock of smaller plants in tubs at \$2.00 each.

WINTER-FLOWERING ROSES

We have a fine stock of winter flowering roses, especially of the new rose, Killarney Brilliant. We can supply extra fine stock of this valuable variety, extra strong plants out of 4 inch pots, ready for immediate planting; also other standard sorts, such as Lady Hillington, Killarney Queen, Pink Killarney, Richmond, American Beauty, Mrs. Charles Russell, Mignon, or Sweetheart, etc. Write us for prices, stating varieties and number of each wanted.

FERNS

Nephrolepis elegantissima (Tarrytown Fern); Magnificat; Muscosa, 3½-inch,\$0.25 each

Nephrolepis elegantissima; Harrisii; Bostoniensis, 6 inch 50 each
Nephrolepis elegantissima, 8 inch, 1.00 "
Nephrolepis Harrisii and Bostoniensis, 12-in., very large plants, 5.00 "
Nephrolepis muscosa, 5 inch,50 "
Pteris Wimsetti multiceps, a fine hardy fern, 3½ in.15 "
Small Ferns for Fern Fans, fine assortment, 2¼ in. \$4.00 per 100

OTHER MISCELLANEOUS STOCK

Dracaena indivisa, 6-inch \$0.50 and \$0.75 each
Per 100
Crotons for summer bedding, assorted, 4-inch, \$15.00
5-inch, 25.00
Vine variegata, strong plants, 4-inch 8.00
English Ivy, strong plants, 4-inch 10.00
Cannas, assorted,—Pierson's Premier, Florence Vaughan, Souv. d'Antoine Crozy, Mlle. Berat, New York, Beaute de Poitevine, Egandale, Venus, King Humbert, etc., 4-inch 6.00
Salvias, 2¼ inch, 3.00
Nasturtiums, bushy, in bloom, 3½ inch, 5.00
Ageratum, 2¼-inch, 3.00
Heliotrope, 2¼-inch, 3.00
Lemon Verbenas, 4-inch 10.00
Abutilon Savitzii, 2¼ inch 4.00

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Vegetable Plants

In abundance Always on Hand. See our
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May 23rd, Page 768.

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Wholesale Florist, WASHINGTON, N. J.

Finest Collection in 5 Years

TRIANA—First to Sheath, Earliest to
Flower. Full formed sheath. Perfect
Leads. Heavy Foliage.

MENDELII—Condition Perfect. Dormant
Leads and splendid leaves.

LABIATA—Fine Plants, Semi Established.
Any size. Send for prices.

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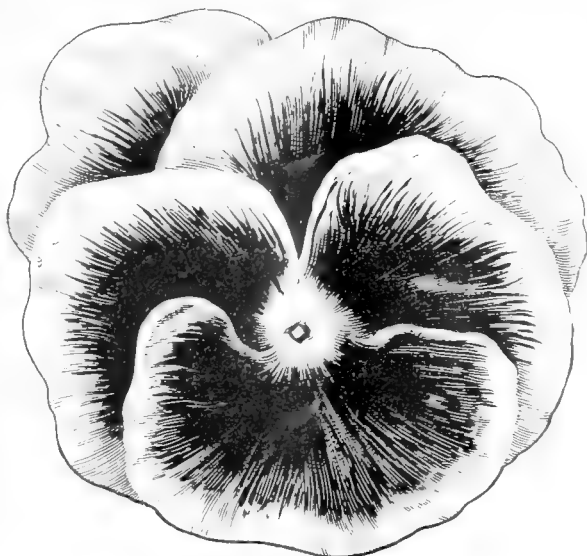
We have unpacked the following in fine
condition. CATTLEYAS: Percivalliana,
Gaskelliana, speciosissima. DENDRO-
BIUMS: Formosum, Wardianum, nobile,
densiflorum, Schuitzii. VANDAS: Coer-
ulea, Batemannii, Luzonica, Imschootiana.
PHALAENOPSIS: amabilis, Schilleriana.
Spathoglottis plicata.

Write for Special List No. 55.
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HEACOCK'S
KENTIAS



JOSEPH HEACOCK COMPANY
WYNCOTE, PA.



Pansies in separate colors

	1000 Seeds
Giant Adonis, light blue with yellowish white face, large dark blotch.....	\$0.25
Giant Emperor William, ultramarine blue with purple violet eye.....	.25
Giant King of the Blacks, coal black.....	.25
Giant Lord Beaconsfield, violet upper petals shading to white.....	.25
Giant Yellow, pure golden yellow.....	.25
Giant Yellow with dark blotch.....	.25
Giant White, satiny white.....	.25
Giant White with large violet center.....	.25
Giant Red, a fine mixture of red shades.....	.25

	1000 Seeds
Giant, royal purple, fine large flower.....	\$0.25
Giant, bronze and copper mixture.....	.25
Giant, light blue, sky blue.....	.25
Giant, dark blue deep blue shades.....	.25
Giant Zebra, mixed shades, striped.....	.25
Giant McKinley, yellow, each petal blotched with a deep reddish brown margin.....	.25
Giant Psyche, ruffled violet white.....	.25
Giant Mad. Perret, red and wine shades.....	.25
The preceding 17 sorts mixed in equal proportions.....	.25
Any 5 pks., \$1.00.	

The KENILWORTH GIANT PANSY

seeds are all grown by myself and are offered in the following minutes and separate colors:

KENILWORTH STRAIN—The flowers are of perfect form and substance; many of the immense flowers are from 3½ to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention.

KENILWORTH SHOW—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.

KENILWORTH CUT FLOWER MIXTURE—Is a distinct class by itself surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.

MASTERPIECE—A remarkable type; the curled, wavy petals giving the flower a double appearance, its large flowers of great substance, on long, strong stems.

ORCHID FLOWERED, Mixed—A dwarf free bloomer with a range of delicate colors that do not exist in any other pansies, a remarkable combination of light rose, shell pink, bluish mauve, fawn, light brown, orange and chamois.

NEW SEED NOW READY.

1000 seeds, 25c; 5000, \$1.00; ¼-oz., \$1.25;
1 oz., \$5.00.

Rainbow is a mixture of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seeds I will send 1000 of Rainbow free and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION.

Concluding Notes on Annual Convention at Washington, D. C.

Lester L. Morse, of San Francisco, whose portrait appears herewith, was elected to the presidency of the American Seed Trade Association, which closed its three-day convention in Washington on Thursday of last week. Other officers elected were William Lupton, of Mattituck, New York, first vice-president; E. C. Duncan, Philadelphia, Pa., second vice-president, and C. E. Kendel, Cleveland, Ohio, secretary-treasurer. The final session was an executive one and considerable business was transacted. In addition to the election a report was rendered by the committee on experiment stations of which L. L. Olds was chairman. In the afternoon the members and their wives visited the Arlington National Cemetery.

Perhaps the most important subject brought before the convention was that of postal rates. Chairman W. F. Therkindson, of the committee on postal laws, who has given considerable attention to this matter, in bringing it before the meeting, said that seeds are now being shipped in large quantities by parcel post and that it was evident that no two catalogues could have approximately the same price on any one article with the difference in parcel post rates as they prevail in the dif-

ferent zones. Among the interesting lectures during the convention were those of Dr. W. W. Tracy, superintendent of the testing grounds of the Department of Agriculture; Edgar Brown and Prof. F. W. Hillman, the latter head of the seed laboratory of the Department of Agriculture; Max Fisher, and Charles C. MacKenzie, of Brandon, Manitoba. Dr. Tracy speaking on "Seedsmen's Trial Grounds—Their Actual and Possible Value," urged the seedsmen to make a more thorough study of the trial grounds. He said he had in hundreds of cases selected five to ten ideal plants of a desired type, carefully saved their seed of each separately, and planted samples in trials and very rarely had the product of the first or second choice plant prove equal to that of some other one. He said that it was considered a waste of care and energy to try to develop stock from even the most superlative plant until it has been tested out in trial plantings. He urged continued study of these features. Mr. Brown, in speaking on the selling of seeds at retail, said that the seed business is an important factor in our agricultural system but that in so far as it is maintained on a strictly merchandising basis, it is not fulfilling the function

reasonably to be expected of it. When a farmer goes to one of the dealers to buy seeds that are to be the basis of his crop, Mr. Brown declared, he expects the same grade of information about the seeds he is buying as the dealers expect from an architect about a building of their own. Continuing he said the seed business of the future is going to rest, first, on accurate information furnished the purchaser, and second, on efficiency in handling. Mr. Mackenzie, who traveled 2100 miles to be present at the convention, spoke on "Printer's Ink Advertising Farm Journals" outlining the scope of the advertising business from the inside. The address of Mr. Fisher on the subject of overhead expenses and their relation to business was given considerable attention by the delegates who were urged by him to always keep in mind such considerations as a great many men are liable to forget, the overhead cost, despite the fact that it is an almost threadbare subject in modern industrial life.

Among the entertainments provided was the banquet given in the large ball room of the Raleigh Hotel at which Representative Mann was the principal speaker. The tables were profusely decorated with American

More Red Devil Cutters Used Annually Than All Others Combined



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Send 6c. for sample No. 824 and Booklet 49 styles, and understand why.
SEND FOR BOOKLET ANY-
HOW.

Beauty roses and other flowers. F. E. Bolgiano, of Washington, D. C., chairman of the entertainment committee presided. Several brief speeches were made by various delegates and a very pleasant evening was spent despite the heat which prevailed during the entire convention. A visit to Mount Vernon, by boat, and to the Arlington testing and experimental farm, Lee's Mansion at Arlington, as well as the National Cemetery, were enjoyed by all. The extreme heat and the severe thunder showers which occurred each day of the convention, however, failed to mar the pleasures of the trip and the delegates left the city well pleased with their stay here.

The meetings were held in the Banquet Hall of The Raleigh, a very handsome room, but the acoustics of the hall were so bad that their effectiveness was largely lost through inability to hear what the speakers were saying. The hotel management is open to criticism for not using methods to ameliorate the insufferable heat. Not an electric fan was in operation even on the night of the banquet, with the room brilliantly lighted and, of course,



LESTER L. MORSE.

Elected President by the American Seed Trade Association, at Washington, D. C., and by the American Sweet Pea Society, at New York City.

adding several degrees to an already super-heated atmosphere. However, despite this handicap, the banquet was a pronounced success.

Toastmaster Bolgiano had the unique success of inducing Congressman Mann of Chicago, the Republican leader of the House of Representatives, to attend the banquet and make a short address. The Congressman avoided controversial subjects, and his remarks were general in character, but he did tell the seedsmen he wanted to be their friend, and his course in seed legislation has proved it. This brings up the question of why certain interests in the trade should oppose him and antagonize whatever he favors. Were he not a broadminded man the entire American seed trade might be the sufferer, but he evidently understands that this opposition is mainly personal, tempered with political ambition.

On Tuesday, at 2 P. M., a reception and luncheon was held in the parlors

BODDINGTON'S QUALITY FLOWER SEEDS

SELECTED SEEDS SUCCESSFULLY SOWN SECURE SURE, SAFE AND SERVICEABLE SATISFACTION

IT has been, is, and always will be our policy and intention to disseminate only the very choicest strains of flowering seeds (or any other varieties of seed), giving special attention to the class known as **Florists' Seeds**, and intending customers need have no hesitation in buying or fear of disappointment when they bloom. No expense has been spared to secure the finest types as to habit of plant, form of flower, color and breeding of our Quality strains of *Primula*, *Cineraria*, *Cyclamen*, *Calceolaria*, etc.

ASPARAGUS

PLUMOSUS NANUS. True greenhouse grown. 50 cts. per 100 seeds; \$1.00 for 250 seeds; \$3.50 per 1000 seeds.

PLUMOSUS NANUS. California grown. 50 cts. per 100 seeds; 75 cts. for 250 seeds; \$2.50 per 1000 seeds.

SPRENGERI. 25 cts. for 250 seeds; 75 cts. per 1000 seeds; \$3.00 for 5000 seeds.

CALCEOLARIA HYBRIDA

BODDINGTON'S PERFECTION. The herbaceous *Calceolaria* is an easily cultivated plant. So long as frost is excluded from the plants in Winter they are perfectly safe, and to attempt to hasten growth at any time is a failure. July is the best month for sowing the seed. The great advance made in the habit of the strains offered is remarkable, whilst in the colors there is a marked improvement. Saved by England's most famous specialists. Monster flowers of rich and varied colors, including spotted, laced, blotched and self-colored varieties. ½ pkt., 60 cts.; pkt., \$1.00.

Boddington's Matchless CINERARIAS

BODDINGTON'S MATCHLESS CINERARIA. A combination of the three most famous English strains, which we can recommend to those wishing to grow the best. Tall, ½ trade pkt., 60 cts.; trade pkt., \$1.00. Dwarf, ½ trade pkt., 60 cts.; trade pkt., \$1.00.

CINERARIA STELLATA (Star-flowering *Cineraria*). Tall growing, 4 to 5 feet; excellent as a single specimen for table decoration, or for grouping with splendid effect in corridors and conservatories. ½ trade pkt., 60 cts.; trade pkt., \$1.00.

CANDYTUFT (Iberis) H. A.

BODDINGTON'S GIANT HYACINTH-FLOWERED. Large, pure white, spiral spikes. The finest variety for growing under glass. Trade pkt., 35 cts.; oz., \$2.00.

MIGNONETTE H. A.

BODDINGTON'S MAJESTY. The finest of all the fancy varieties of Mignonette; an improvement on Allen's Defiance. Seed saved from select spikes under glass. Trade pkt., 60 cts.; ½ oz., \$1.00; oz., \$1.50.

BODDINGTON'S POT MYOSOTIS

Forget-Me-Nots are delightful subjects for flowering indoors at Christmas time, and as they are everywhere welcome, the practice of growing plants in pots is rapidly increasing. Sown in July and potted on, the strain we offer produces fine, free-growing specimen plants. Trade pkt., 50 cts.; 3 pkts. for \$1.25.

SCHIZANTHUS (Butterfly Flower) H. A. 1½ ft.

Elegant, free-flowering, hardy annuals for the garden in Summer or for pot culture in the greenhouse during Winter.

GRANDIFLORUS BODDINGTONII. Boddington's Select Hybrids. The strain is superior to any of the *Schizanthus* in cultivation, the flowers are better shaped and the colors are more varied. In habit the plants are very bushy, and the flowers are invaluable for cutting; as a pot plant for conservatory decoration, they are unequalled. Trade pkt., 75 cts.

WISETONENSIS. The colors are varied, ranging from white with yellow center to pink with brown center. Most useful as a Winter plant, and should be given a place in every greenhouse. Trade pkt., 50 cts.

Boddington's Matchless GIANT PRIMULAS

PRIMULA SINENSIS

Boddington's Matchless Giant Primulas, Mixed. This selection includes all the finest Giant Single Primulas of the plain-leaved class. ½ trade pkt., 60 cts.; trade pkt., \$1.00. Boddington's Matchless Giant Pure White; Boddington's Matchless Giant Blush White; Boddington's Matchless Giant Orange King, a delightful novelty, almost orange; Boddington's Matchless Giant Rose; Boddington's Matchless Giant Scarlet; Boddington's Matchless Giant Royal Blue.

Each, ½ trade pkt., 60 cts.; trade pkt., \$1.00. Collection of the above 6 varieties, ½ trade pkt., each, for \$3.50.

The Duchess. The large, pure white flower, with its unique zone of bright, rosy carmine, surrounding a clear yellow eye, is simply unapproachable in its beauty. ½ trade pkt., 60 cts.; trade pkt., \$1.00.

Sutton's Coral Pink. The name describes it; habit dwarf and compact; flowers thrown well above foliage. Pkt., \$1.00.

PRIMULA OBCONICA GIGANTEA

Primula obconica gigantea Kermesina. Beautiful, deep crimson.

Primula obconica gigantea alba. The pure white flowers greatly enhance the beauty of the existing lilac, rose and crimson shades.

Primula obconica gigantea lilacina. Beautiful lilac.

Primula obconica gigantea rosea. Lovely rose.

Primula obconica gigantea grandiflora. Mixed varieties, pure white to deep crimson.

Each of above, ½ pkt., 30 cts.; pkt., 50 cts.

PRIMULA floribunda grandiflora (Buttercup). Small yellow flowers, borne in great profusion; fine for pots. Pkt., 50 cts. **Forbesii** (Baby Primrose). Pkt., 25 cts.

PRIMULA KEWENSIS (Giant Buttercup). This plant is a strong grower, with bright green leaves and numerous erect flower-scapes, 10 to 18 inches in height, producing flowers in whorls at intervals along their whole length. The flowers are fragrant, bright yellow in color, with a slender tube and spreading limb nearly an inch in diameter. As a Winter-flowering decorative plant it is an acquisition; very floriferous when in a small state. ½ trade pkt., 60 cts.; pkt., \$1.00.

PRIMULA FIMBRIATA, GIANT QUEEN ALEXANDRA. G. P. The largest white *Primula Sinensis*, blooms measuring 2½ inches across. Petals very solid and erect. Robust foliage with red stems. ½ pkt., 60 cts.; trade pkt., \$1.00.

PRIMULA, NEW HYBRID QUEEN OF ROSES. A lovely new hybrid of *P. obconica* and *P. stellata*, producing shapely heads of large and beautiful, bright rose-colored flowers, remaining decorative for a long time. 1 foot. Trade pkt., \$1.00; ½ pkt., 60 cts.

PRIMULA MALACOIDES. H. H. P. (The Giant Baby Primrose.) The plants branch very freely. The flowers, which are ¾ inch wide, are of a pretty light lilac, and are borne in whorls on long stems. If grown in a greenhouse, can be had in bloom in four months after sowing. Trade pkt., 50 cts.; 3 pkts. for \$1.25.

PRIMULA MALACOIDES ALBA. The white prototype of the foregoing variety, and a great acquisition; very chaste and beautiful as a plant or cut flower. Trade pkt., 50 cts.; 3 pkts. for \$1.25.

ARTHUR T. BODDINGTON, Seedsman 342 West 14th St. New York City

of The Raleigh in honor of the visiting ladies. At 4 P. M. the entire convention was treated to an automobile ride in Washington's sight-seeing cars. Wednesday morning more papers were read and while they cannot be discussed individually at this time, the subjects considered were most interesting and very ably treated. In the meantime the ladies enjoyed an automobile ride in touring cars through the fine residential district of Washington, northwest, and beautiful Rock Creek Park.

We are fearful that the proof that Washington is a fine summer resort was not forthcoming, and the very general impression of its warmth in summer was pretty well confirmed. However, it is but just to say that the extreme heat of the week was quite general both east and west. It is but fitting and proper to say a word in praise of the committee of Washington and Alexandria seedsmen who framed and carried out literally the program of entertainment which was so cordially appreciated by the members of the convention and their ladies. Not for many years have the seedsmen been so well entertained and particularly the ladies. For this the gentlemen of the Washington seed trade deserve the warmest thanks. When all members of a committee have co-operated so loyally in carrying through a program it may seem invidious to name any without mentioning the names of all, but we just can't help mentioning F. W. Bolgiano who as chairman was indefatigable in his efforts to see that no one was overlooked and that everybody had a good time. He was on the job early and late and made many warm friends. Here's honor and thanks to him and all of the gentlemen of his committee.

CALIFORNIA NOTES.

Howard M. Earl of W. Atlee Burpee & Co., has returned from his transcontinental trip and is again in har-

ness at the head of affairs. In a brief interview we glean the following items of interest to the seed trade.

Alfred Putz, son of Otto Putz, the noted seedsman of Erfurt, Germany, and that fine second son of Burpee's manager, Douglas Earl, are at Floradale, California, working under Mr. Lonsdale.

In California crops are good, excepting sweet peas, and these will turn off about 25 per cent to 65 per cent according to location. There is a possible shortage of 25 per cent on Red Wethersfield onion. In spite of the army worm there ought to be a satisfactory crop of lettuce. The army worm was kept in subjection by the use of paris green. Endive, White Curled is a good crop, and it is surprising to note the increased demand for Broad-Leaved Batavian (Escarolle) which is shown by the large area devoted to this vegetable. California growers are planning now to give the Eastern seedsmen a very good time on their visit to the Coast in 1915. Land devoted to sweet peas that has been plowed up on account of the ravages of the aphid has to a great extent been sown to seed of commercial beans. Few seedsmen in California this year—they are probably waiting for 1915! Messrs. Sutton and Tufnail were plainly astonished at the area devoted to seed growing in California.

Notes.

Austin L. Rogers, the culinary pea grower, and his wife were visitors at Fordhook Farms the 26th.

New York, N. Y.—The branch store of J. F. Noll & Co. at the Hudson Terminal Bldg. has been closed.

George W. Kerr, accompanied by one of the trial-ground assistants, Walter Histand, took to New York between six and eight thousand sweet pea blooms with which to make up the Burpee sweet pea exhibit at the show.

Despite the dry weather, crops in southern New Jersey are looking well and there will be an exceedingly large crop of Sparks' Earliana tomato for the market. Prices for early fruits last week ruled as high as \$3.00 per crate.

The Wholesale Grass Seed Dealers' Association held their sixth annual meeting at Washington, D. C., during the convention of the American Seed Trade Association. Officers were elected as follows:

President, A. E. Reynolds (re-elected) Crawfordsville, Ind.; Vice-President, W. G. Scarlett, Baltimore, Md.; Secretary-Treasurer, W. R. Jossman, of Caughey-Swift Co., Detroit, Mich.

"Frank Cuthbertson, sweet pea expert with C. C. Morse & Co., California, arrived in Philadelphia last Friday afternoon and motored to Fordhook, with Howard M. Earl of W. Atlee Burpee & Co., where he spent the night and during the late afternoon inspected the sweet pea trials. Mr. Cuthbertson left for New York, Saturday morning, where he was to be one of the judges at the American Sweet Pea Society, and sails this week on the Aquitania, and after attending the sweet pea show in London and spending some little time with his father, W. Cuthbertson (of Dobbie & Co., Edinburgh, Scotland), goes to the Continent and returns to California early in September.

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Giant Prize Emperor William, Blue.....	.40	1.75
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Giant Prize King of the Blacks.....	.40	1.75
Giant Prize Lord Beaconsfield, Purple violet....	.40	1.75
Giant Prize Peacock, Blue, claret and white.....	.40	2.50
Giant Prize Snow Queen, Pure white.....	.40	1.75
Giant Prize Striped and Mottled.....	.40	1.75
Giant Prize White with Eye.....	.40	1.75
Giant Prize Pure Yellow.....	.40	1.75
Giant Prize Yellow with Eye.....	.40	1.75

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Centreville, R. I.—George Frazer.

Pittsfield, Mass.—Folwell Floral Co.,
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Chicago, Ill.—H. Hansen, 1742 Cemetery Drive.

Chicago, Ill.—U. A. Campiche, 6004 S. Halstead street.

Baltimore, Md.—Fred Eberhart,
North Howard street.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...July 17

American.

St. Louis, N. Y.-S'hampton...July 10

Philadelphia, N. Y.-S'hampton...July 17

Atlantic Transport.

Minnehaha, N. Y.-London...July 11

Minnetonka, N. Y.-London...July 18

Cunard.

Franconia, Boston-Liverpool...July 7

Mauretania, N. Y.-Liverpool...July 7

Lusitania, N. Y.-Liverpool...July 14

French.

La Lorraine, N. Y.-Havre...July 8

Niagara, N. Y.-Havre...July 11

France, N. Y.-Havre...July 15

Holland-America.

Potsdam, N. Y.-Rotterdam...July 7

New Amsterdam, N. Y.-R't'm...July 14

Hamburg-American.

Vaterland, N. Y.-Hamburg...July 7

Cincinnati, Boston-Hamburg...July 7

Ksn. Aus. Victoria, N. Y.-H'g...July 11

Leyland.

Bohemian, Boston-Liverpool...July 11

North German Lloyd.

Kronprinz Wilhelm, N. Y.-B'n...July 7

Bremen, N. Y.-Bremen...July 9

Geo. Washington, N. Y.-B'n...July 11

Red Star.

Vaderland, N. Y.-Antwerp...July 11

Lapland, N. Y.-Antwerp...July 18

White Star.

Cymric, Boston-Liverpool...July 7

Celtic, N. Y.-Liverpool...July 9

Olympic, N. Y.-S'hampton...July 11

Canopic, Boston-Med't'n...July 11

Cedric, N. Y.-Liverpool...July 16

Sheboygan, Wis.—Derrwaldt Greenhouses.

Mrs. S. Linden, of the Flower Shop, 108 E. 51st street, Chicago, will open a new store July 15th, at 828 E. 47th street.

Recent additions to the membership of the Florists' Telegraph Delivery are as follows:

C. H. Weidenbacher, 4516 Germantown Ave., Philadelphia, Pa.; C. D. Mills, 36 W. Forsyth Ave., Jacksonville, Fla.; Mr. Ross Bragg, Zumbro Hotel block, Rochester, Minn.; W. G. Eisele, 325 Cedar Ave., West End, N. J.; Spokane Florist Co., 722 Riverside Ave., Spokane, Wash.; Espelin & Warren, Fort Collins, Colorado; Fisher Brothers, 614 Dempster St., Evanston, Ill.; Henry F. Greve, Dallas Floral Co., Dallas, Tex.; Alfred T. Bunyard, 413 Madison Ave., New York; Joseph M. Smely, Aurora, Ill.; Currie Brothers Co., 108 Wisconsin St., Milwaukee, Wis.; Kerr The Florist, Main St., Houston, Texas.

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Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.

Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.

New London, Conn.—Reuter's.

New Haven, Conn.—J. N. Champion, 1026
Chapel St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
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New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
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New York—A. Warendorff, 1193 Broad-
way.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

St. Paul, Minn.—L. L. May & Co.

Stamford, Conn.—"Quality Shop," Stam-
ford Seed & Nursery Co.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEWS NOTES.

Stoneham, Mass.—J. L. White has
purchased the Wright street court
greenhouses.

Batavia, Ill.—George H. Serviss has
leased his greenhouses to the Fraternal
Order of Moose.

St. Paul, Minn.—Nyberg Bros. have
purchased the greenhouse business of
Ernest Holstrom, 815 La Fond street.

Marlboro, Mass.—It is reported that
W. S. Phelps, florist, Pleasant street,
is to discontinue business here and
enter on the management of a flower
growing business near Boston.

Springfield, Mass.—The Robert B.
Crane estate have sold their green-
houses to Nicholas Bros., who are plan-
ning to move their greenhouses on
Dennis street to the new property.

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HARRY I. RANDALL, Proprietor.

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3 PLEASANT ST., WORCESTER, MASS.

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CHICAGO NOTES.

A. Lange always has the Egyptian nelumbiums as a special offering in the summer and this year the lilies seem even more brilliant than ever.

Joseph Patjau, Peter and Louis Duterinke, who came to this country from Belgium a few years ago, are leaving this week for a visit to their old home. They will return in the fall.

M. S. Crozer, of Cedar Rapids, Ia., says that his sales are footing up better than ever in June. The new retail store, recently opened in the downtown district is doing nicely. His father, J. G. Crozer, founder of the business, who is disabled with paralysis, is reporter as fairly comfortable.

At Morton Grove, Poehlmann Bros. are trying the two new begonias, Melior, introduced by Peterson of Cincinnati and Florence Davenport by A. M. Davenport of Watertown, Mass. Mr. Anderson, in charge of the plant department, says that while he likes the deeper color in the flower of Melior his customers are divided in their preferences, so the stock of Cincinnati and Lorraine is evenly divided. The house which contains the stock of large palms valued at \$50,000, has been improved with a cement floor and, by placing the heating pipes on the sides, room has been made for the tallest palms. Beds of fancy-leaved caladiums, tuberous rooted begonias and hydrangeas were noted as supplying the color always needed in plants for retail stores. Another house contains 40,000 young cyclamen plants in 3-in. pots now ready for sale.

PHILADELPHIA NOTES.

A. E. Brown, treasurer of W. Atlee Burpee & Co, sailed on the S. S. Minneapolis, June 27th, for London, on an extended vacation.

Gude Brothers, of Washington, and Samuel S. Pennock made a visit recently to the rose garden at Hartford, Conn., and were greatly pleased and enlightened. They also took in the Pierson place at Cromwell, one of the most remarkable commercial places in the country. Mr. Pennock was so impressed with what he had seen that he sent two of his managers, Messrs. Jones and Liggett, on the same pilgrimage the week following, and they were equally astonished and delighted.

I am not going to say anything severe to Arthur Niessen for writing that circular all by himself and signing the committee of seven's name to it, because, as John Donald McKay once remarked: "I don't want to contaminate my own interests."

"God made the Irish.
He sure made them mad.
For their fights are all merry,
And their songs are all sad."

I think there is a little Irish in both the Scot and the German in this connection.

Visitors—Mr. and Mrs. Vesey and Mrs. Woods, Fort Wayne, Ind.; P. Joseph Lynch, New Castle, Ind.; B. W. Delaney, representing J. Chas. McCullough, Cincinnati, O.; W. G. Grenell and grandson Wm. Grenell, Pierrepont Manor, N. Y.

WASHINGTON NOTES.

J. Harper Hetherington has gone to Philadelphia, where he will spend a part of his five weeks' vacation. The balance of the time he will spend in Atlantic City.

Frank P. Gaul, manager of the local store of S. S. Pennock-Meehan Company, has so far recovered from his recent illness to be able to be at his place of business at least for several hours each day.

Louis Hohman and Walter Hawley, clerks of the store of Gude Bros. Co., have started for Boston, where they will spend several weeks, after which time they will visit the northern part of New York. Mr. Hohman is at present suffering from a severe case of oak poisoning, obtained while chasing a young crow out of the cornfield which surrounds his home. He has been incapacitated for work for some days.

Albert Schnell, manager of the Washington Florists' Exchange, reported to the police last week that someone unknown had removed \$965 from the safe in the office of the Exchange, the door of the safe having been left open. The police are also looking for the owners of a miscellaneous collection of tools left by some unknown persons in the rear room of the store of F. H. Kramer. The back door had been forced and the two cash registers in the front of the store taken to the rear where they were hacked open but found to be empty. The thieves found nothing of value in the store and after having smoked a few cigars they took their departure.

Mr. and Mrs. William F. Gude will entertain the members of the Florists' Club of Washington, D. C., and their ladies at a lawn party at their home, 3800 New Hampshire avenue, Northwest, on Tuesday evening, July 7. A feature of the evening will be the lecture of Richard Vincent, Jr., of White Marsh, Md., on "A Trip Through Scotland—The Land of Burns," illustrated with lantern slides. A vaudeville program will also be presented. The regular monthly meeting of the club will be held at this time and a report will be rendered by the special committees having in charge the trip to the convention at Boston and of the flower show which is to be held here early in October. A large delegation of florists and the ladies from the Florists' and Gardeners' Club of Baltimore, Md., will also be present.

RECEPTION TO DR. GALLOWAY.

A large number of officials and employees of the Department of Agriculture gathered at the National Museum, Washington, D. C., last week at a farewell reception tendered to Dr. Beverly T. Galloway, assistant secretary of the department, who leaves here shortly to become dean of the agricultural college of Cornell University, Ithaca, N. Y. The affair was an entirely informal one and was under the direction of Henry S. Graves, chief forester; Logan W. Page, of the Division of Roads, and C. S. Marvin, chief of the Weather Bureau. The regrets of his associates were expressed in a number of short speeches and Dr. W. A. Taylor, chief of

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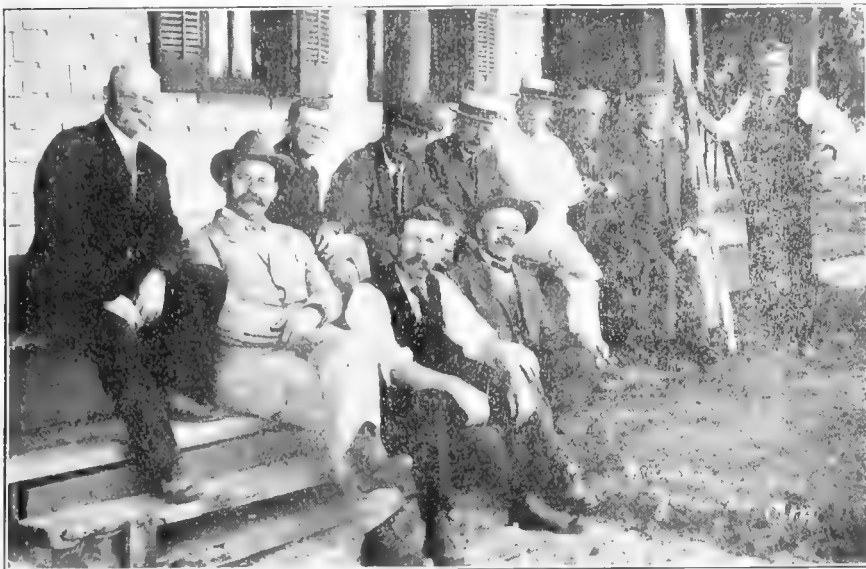
FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

Member of Florists' Telegraph Delivery

the Bureau of Plant Industry, who is to succeed him as assistant secretary, complimented Dr. Galloway in the highest of terms, accrediting to his efforts much of the marked progress made during his administration. Dr. Galloway has been connected with the Department of Agriculture for twenty-seven years, having started as assistant pathologist in the section of mycology. He was made chief of the Bureau of Plant Industry upon its formation in 1900, retaining that position until last year, when he was made assistant secretary. Dr. Galloway is an honorary member of the Florists' Club of Washington, whose members wish him every success in his new undertaking.

A SOUVENIR OF WARETOWN.



Reading from Left to Right, Back Row—Robert Kift, William F. Gude, Charles H. Eimerman, George C. Watson, George Craig, Joseph C. Trainer, Robert Craig, J. C. Vaughan, John Westcott. Front Row, Left to Right—John Burton, J. B. Deamud.

DURING RECESS.

N. Y. & N. J. Association of Plant Growers.

The New York & New Jersey Association of Plant Growers, held its 8th annual outing on June 23, 24 and 25, 1914, at the Hotel Kittatinny, Delaware Water Gap, Pa. The first day was spent in wandering through the premises, and in the evening dancing was provided. In the morning of the second day prize bowling took place, at which Mrs. Wm. H. Siebrecht, Jr., took the first prize and Miss Lillian Zeller second prize. Daniel Schultheis took first in the gentlemen's bowling frames and Julius Roehrs captured second. In the afternoon of the second day, the party enjoyed a trolley ride through Stroudsburg and to Portland. In the evening another dance was enjoyed. The morning of the third day was spent motoring through the mountains to the Buckwood Inn. It was one of the most successful outings held by the association. Forty-nine adults and three children attended. The outing committee was Julius Roehrs, chairman. Anton Schultheis, Wm. H. Siebrecht, Jr.

KNOXVILLE, TENN. NOTES.

Addison J. McNutt is about through cutting America gladiolus, which have been very fine and the demand has been very great.

A. H. Dailey is doing general improving and repair work at his greenhouses getting ready for the coming season. He reports the bedding plant trade as very heavy, but now finished.

Roses and carnations have been very scarce, and it has been rather hard to get enough to go around for the last ten days. Chas. L. Baum is getting lumber on the ground to build a two-story shed, which will be used as a carpenter shop and a soil and planting shed, and will be a great improvement.

Since our last report we have had one good rain, about three inches, but the ground is again very dry and the

weather very hot, and out-of-door stock is suffering. The Howell Nursery Company reports stock looking better since the rain, although the drought has done a great deal of damage and at least 50 per cent of young shrubbery was lost. Prospects are very promising for fall business.

On June 26, the picnic committee of Knoxville Florists' Society, namely, A. J. McNutt, Louis Giger, Karl P. Baum and Dr. Sam Boyd selected the grounds for the first annual picnic, which will take place on July 9. They found a desirable place having a nice spring grove, and on a river where fishing, bathing and pearl hunting cannot be beaten. The place is known as Clinch River Station, on the K. C. G. & L. Ry., 42 miles north of Knoxville. All stores have a display card in their windows announcing that on July 9, they will be closed, and all mail sent out carries a little notice blank bearing the same announcement.

A. J. McNUTT, Sec.

"SOME" MARATHON.

The following amusing account of a twenty-five mile hike by the victor, Edward Swayne, a well-known florist of Chester County, Pa., will interest his many friends in all parts of the country, especially his old chum, Edwin Lonsdale of Lompoc, California. Mr. Swayne is 61 years old, his opponent, Mr. Sproat, 37.

G. C. W.

"My Marathon from Pottstown to West Chester, June 17th, terminated in my favor by a large margin. It is 25 miles of rough, stony, hilly road. I finished in 4 hours, 30 minutes, and Mr. Sproat in 6 hours, 30 minutes. I covered the first 19 miles in 3 hours, 8 minutes, and having nobody to hurry me as I did not see Mr. Sproat after 7 miles, I walked the balance of the way. Sproat is quite a walker. He covered the first 3 miles in 35 minutes with very little running, as it was about all up hill. His strides in walking is about 3 ft., 4 in. I made a careful study of his stride and style from the rear during that time and made up my mind he would eat out of my hand whenever I asked him to, which I did at 6 miles. He was quite tame then, his stride coming down to mine, about 3 ft. I went very easily for 15 or 16 miles, with-

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Good things for Summer use are now in line. We have some **New Baskets in Novel Designs and Dainty Material** that will please your summer customers. All standard goods in unexcelled variety and at bottom prices.

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out any training in running whatever, but I found that 25 miles was quite a distance. I don't think I am any the worse for it, however."

VISITORS' REGISTER.

Washington, D. C.: W. J. Vesey, Jr., Fort Wayne, Ind., and J. C. Vaughan, Chicago.

St. Louis: George Madson, Alton, Ill.; Edwin Denker, St. Charles, Mo.; E. W. Guy, H. G. Fehr, Gust. Grossart, W. E. Ogle, all of Belleville, Ill.

Boston: H. C. Neubrand, representing A. N. Pierson, Inc., Cromwell, Conn.; C. C. Massie, Minneapolis, Minn.; D. Cameron, New York representative of F. Sander & Sons.

Chicago—M. S. Crozer, representing J. G. Crozer, Cedar Rapids, Ia.; Mr. and Mrs. Olaf Olsen, Ames, Ia.; J. Stuppy, of the Stuppy Floral Co., St. Joseph, Mo.; Swan Peterson, Rockford, Ill.

Philadelphia—Mr. and Mrs. Vesey and Mrs. Woods, Fort Wayne, Ind.; P. Joseph Lynch, New Castle, Ind.; B. W. Delaney, representing J. Chas. McCullough, Cincinnati, O.; W. G. Grenell and grandson Wm. Grenell, Pierrepont Manor, N. Y.

The third annual flower show at Stockbridge, Mass., held at the Casino on June 25 and 26, was a brilliant and very successful affair. There were roses, peonies, aquilegias, irises, campanulas and garden bloom of all classes in great variety and profusion. The floral arrangements by the society ladies were exquisite.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI June 29		CHICAGO June 29		BUFFALO June 29		PITTSBURG June 29	
Roses								
Am. Beauty, Special	20.00	to 25.00	2.00	to 25.00	20.00	to 25.00	...	to 25.00
" " Fancy and Extra	12.00	to 15.00	15.00	to 20.00	12.00	to 20.00	15.00	to 20.00
" " No. 1	8.00	to 10.00	8.00	to 12.00	6.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Extra	4.00	to 6.00	8.00	to 10.00	5.00	to 6.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	3.00	to 5.00	3.00	to 5.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 8.00	8.00	to 12.00	5.00	to 6.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Maryland, Tatt, Extra	6.00	to 8.00	6.00	to 10.00	5.00	to 7.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Russell, Shawyer	1.00	to 2.00	6.00	to 20.00	6.00	to 8.00	...	to ...
Carnations, Fancy	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	...	to 2.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	...	to 1.00
Cattleyas	...	to 50.00	40.00	to 60.00	50.00	to 60.00	...	to 50.00
Lilies, Longiflorum	9.00	to 10.00	6.00	to 12.00	6.00	to 10.00	6.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	...	to 4.00	2.00	to 4.00
Snapdragon	...	to 1.00	...	to 1.00	2.00	to 4.00	...	to 2.00
Gladioli	3.00	to 4.00	4.00	to 8.00	...	to 5.00	5.00	to 6.00
Corn Flower	...	to 1.00	...	to 1.00	.25	to .40	...	to .50
Mignonette	...	to 1.00	...	to 1.00	...	to 1.00	...	to 1.00
Daisies, white and yellow	...	to 1.00	...	to 1.00	.50	to 1.00	...	to 1.00
Sweet Peas	.35	to .50	...	to .50	.20	to .50	.20	to .50
Gardenias	...	to 1.00	...	to 1.00	...	to 1.00	...	to 1.00
Adiantum	...	to 1.00	1.25	to 1.25	1.25	to 1.25	1.00	to 1.25
Smilax	...	to 12.50	15.00	to 18.00	...	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	...	to 50.00	40.00	to 50.00	40.00	to 60.00	...	to 50.00
" " & Spreng. (100 bchs)	...	to 25.00	35.00	to 50.00	25.00	to 35.00	25.00	to 40.00

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Flower Market Reports

BOSTON Promptly with the incoming of July the bottom dropped out of the flower market without the interposition of any gradual decline. Up till that time the sale of lily of the valley, roses and other June specialties was fully up to the average. Roses of super-quality can still be sold at respectable figures but the small short-stemmed stuff cannot be disposed of at any price. Carnations are at the bottom of the ladder and dealers find it impossible to get an offer for much of the stock received. Lilies are stiffer in price due to shortening supply. Gardenias and peonies are finished up and gladioli are just beginning to appear. There are plenty of good cattleyas but they are very hard to sell even at prices absurdly low for such goods. Pond lilies are an item in many of the store windows.

The past week was quite a busy one for the trade. Of course, there was not enough good white roses just at the moment wanted or lily of the valley or some other item, but everything pulled through quite satisfactorily at the end. There were sufficient carnations, sweet peas, lilies and roses, the latter in all varieties, including some very choice Shawyer, Hillingdon and a fine lot of Beauties in all grades. There was also a good supply of outdoor sweet peas which cleaned up daily, as well as other stock. At the time of mailing this—June 30—the market has gradually filled up on roses of all kinds, an over-supply of carnations and a heavy supply of Easter lilies and candidums and the buyers are practically having their own way.

The scarcity of good stock is the chief feature of the market at this time. June ends with a marked shortage of roses, a condition that has prevailed to an extent during the month and which has had its influence on the sales of the time of weddings and commencements. Roses quoted throughout the year as fancy are not to be had with most growers and the next grade has been slipped into its place and gladly accepted by purchasers. American Beauties have had a different experience, but now they, too, are shortening up. Carnations do not differ materially from the usual summer order, being shy on good ones and plentifully represented by sleepy ones. The last of the peonies will be moved this week and dealers have found that, with the exception of those shipments that went in during the extreme hot weather, they came out of cold storage in far better condition than had been anticipated and the season as a whole will not be so poor after all. Plenty of Easter lilies and lily of the valley are seen but the supply of miscellaneous stock is small.

As far as the relation of supply and demand is concerned business is pretty fair. The supply is just sufficient to make the market easy while the demand for flowers readily takes up the larger part of those offered. But neither supply of stock

MRS. CHARLES RUSSELL



A distinct addition to the summer list of Roses, a good keeper, good color, good size—in fact one of our best hot weather Roses



Special \$12.00 per 100
Extra 8.00 per 100
Fancy 10.00 per 100
First 5.00 per 100
Second 3.00 per 100

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CATTLEYAS \$6.00 per dozen; a few extra large at \$7.50 per dozen.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON July 2		ST. LOUIS June 29		PHILA. June 29	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra	8.00	to 15.00	15.00	to 18.00	10.00	to 15.00
" " No. 1	2.00	to 5.00	5.00	to 10.00	3.00	to 8.00
Killarney, Richmond, Extra	3.00	to 5.00	2.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 8.00	5.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 2.00	3.00	to 4.00	1.00	to 3.00
Maryland, Taft, Extra	5.00	to 8.00	4.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Russell, Shawyer	2.00	to 15.00	1.50	to 2.00	2.00	to 3.00
Carnations, Fancy	1.00	to 1.50	1.50	to 2.00	1.00	to 1.50
" " Ordinary	.25	to .50	.50	to 1.00	.50	to 1.00
Cattleyas	15.00	to 20.00	40.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum	4.00	to 6.00	8.00	to 10.00	8.00	to 10.00
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Snape dragon	2.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Gladioli	4.00	to 8.00	5.00	to 6.00	4.00	to 8.00
Corn Flower	.....	.50	.25	to .50	.20	to .50
Mignonette	1.00	to 2.00	4.00	to 5.00	.....	.....
Daisies, white and yellow	.50	to 1.00	.25	to 1.00	.40	to 1.00
Sweet Peas	.10	to .50	.20	to .40	.20	to .50
Gardenias	.....	.....	.....	.....	.....	.....
Adiantum	.75	to 1.00	1.00	to 1.25	.50	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (100)	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	25.00	to 50.00

nor call for the same are very large and the aggregate business is not very great. Receipts of lilies and gladioli are increasing and right now they are the most important factors in the week's market. The cooler weather has proven beneficial to the roses; white are enjoying the best call. Excellent American Beauties are offered. Carnation receipts are very small. Pond lilies are fine but do not seem very popular with the buyers. The Sweet Pea season is about at an end. Lily of the valley rather scarce. Some excellent peonies offered sell well.

NEW YORK For the latter part of last week and the early part of this week business continued satisfactory but today, July 1st, summer conditions prevail with a vengeance. Stock, probably on account of the cool weather, is of much better quality than is usually the case at this season of the year. Beauty roses are very plentiful, selling in large lots at \$8 per hundred for the best. Now that the ocean travel abroad has lessened up the demand for steamer orders has ceased, the last important sailing being the Aquitania today.

Trade conditions have been rather quiet, but normal for the season and an indication of what may be expected for the rest of the summer. Most of the wholesale places are running with reduced forces, the vacation season being now in full swing, and will continue so for the next two months. Roses are very, very plentiful—all the growers having an unusually full cut at present. The quality is also above the average and it is a pity that the demand does not correspond. The mortality records of this city show some fifty per cent. fewer deaths than usual for June—which is a gratifying state of affairs and creditable to civic conditions. Very few of the flower men grumble at this, and we never heard but one florist in all our experience say with a heartfelt sigh: "Thank God! There's always somebody dying." Carnations are gradually getting poorer in quality and there are but few choice flowers now arriving. Orchids are very good and meet with fair demand, the mainstay at present being Cattleya gigas, with a few C. Mendeli and some spray

(Continued on page 23)

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ROSES AND CARNATIONS	Last Half of Week ending June 27 1914		First Half of Week beginning June 29 1914	
American Beauty, Special	15.00	to 25.00	15.00	to 25.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 15.00
" " No. 1	2.00	to 6.00	2.00	to 8.00
Killarney, Richmond, Extra	3.00	to 5.00	3.00	to 5.00
" " Ordinary	.50	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburs, Extra	3.00	to 5.00	3.00	to 5.00
" " Ordinary	.50	to 3.00	1.00	to 3.00
Maryland, Taft, Extra	4.00	to 5.00	2.00	to 5.00
" " Ordinary	.50	to 3.00	1.00	to 2.00
Russell, Shawyer		to		to
Carnations, Fancy Grade	1.50	to 2.00	1.00	to 2.00
" " Ordinary	.50	to 1.00	.50	to 1.00

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Flower Market Reports

(Continued from page 21)

varieties. Sweet peas have suffered from the warm weather and are generally rather short stemmed and a little soft. The gladiolus crop so far has been rather backward, the flowers not opening as quickly as was expected. Asters are gradually improving, there being now a larger supply of the long-stemmed, although the main receipts are still under grade. *Centaurea imperialis* is one of the choice items among the novelties and is greatly appreciated for boutonnières. It has an absurdly big button, but the Niesens showed us a wrinkle for avoiding the difficulty. A strip of paper two-by-four, rolled around the front of the flower forming a pencil shape; then insert from back of button hole and pull off the paper. Works like a charm.

The market is in very poor shape now. The hot and dry weather has affected nearly all the stock coming in. Prices remain as quoted last week. The shortage causes no trouble to the retailer, as business has gone into summer dullness.

As is usual at this time of the year, stock is of little value, although it is being received in large quantities and the retailers are holding their purchases down to actual necessities. Prices are virtually made by the buyers and the growers and wholesalers are more than glad as a rule to get whatever they can for the stock. Roses and carnations are small and make a sorry showing in the ice boxes. Some hydrangea blooms are being received, but there is practically no movement of them. Orchids are in no demand whatever, nor is snapdragon and many other flowers. In brief, the market is dead and but little in the way of a revival is expected before the coming of cool weather. There seems to be one continuous round of severe electrical storms and on Sunday they were accompanied by a heavy wind and hail. This hurt outdoor stock to no little extent and curtailed the supply, this to the benefit of those who conduct greenhouses. During the entire time the heat and the attending humidity has been almost unbearable.

CARNATION ALICE.

Every day sees a number of visitors at the greenhouses of Peter Fisher, Ellis, Mass., to get a look at his sensational new carnation Alice, and there is only one result in every instance, for seeing is believing. We have had occasion to mention favorably this carnation frequently in our notes on club meetings and other occasions during the past season. The benches are at the present time a mass of bud and bloom, and Mr. Fisher assures us that it is equally superior in its early blooming character in the fall. Compared with Pink Delight the color is purer in tone than in that popular variety and, alongside of Enchantress Supreme—well, the latter is not in it for a moment. Mr. Fisher has 40,000 of Alice in the field.

Mr. and Mrs. Wm. Kleinheinz of Ogontz, Pa., sail on the S. S. Oceanic from New York on July 4. Paris will be their first stop.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 27 1914		First Half of Week beginning June 29 1914	
Cattleyas	15.00	to 35.00	25.00	to 35.00
Lilies, Longiflorum .....	.....	to 2.00	2.00	to 3.00
Lily of the Valley	2.00	to 3.00	2.00	to 3.00
Snapdragon	2.00	to 3.00	.....	to
Gladioli	6.00	to 8.00	6.00	to 8.00
Corn Flower .....	.....	to .50	.....	to .50
Mignonette .....	.50	to 2.00	.....	to
Daisies, white and yellow .....	.75	to 1.00	.....	to .50
Sweet Peas (per 100 bunches)	1.00	to 6.00	1.00	to 5.00
Gardenias	10.00	to 25.00	20.00	to 25.00
Adiantum .....	.50	to .75	.50	to .75
Smilax	10.00	to 16.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100)	35.00	to 50.00	25.00	to 35.00
& Spren (100 bunches)	15.00	to 20.00	15.00	to 20.00

BOSTON CONVENTION NOTES.

A most enthusiastic meeting of the local governing board of the 1914 Boston S. A. F. Convention was held in the Parker House, Boston, on Tuesday, June 23. It was called by Vice-President Patrick Welch to talk over local matters with Chas. E. Critchell of Cincinnati, the chairman of the National Sports Committee, and National Secretary John Young. There was a full attendance with the exception of J. K. M. L. Farquhar and W. J. Stewart, who were in Maine and unable to be present for that reason.

Plans were formulated looking to the entertainment of the many visiting members during the convention, and it may be said that Boston will be prepared to provide one of the most entertaining and enjoyable programs ever offered the members of the S. A. F.

After the meeting and luncheon, Mr. Welch took a party comprising Messrs. Critchell, Young, Shea, Allan Peirce, and others, in his auto to Nantasket Beach and other resorts, with a view to selecting the grounds where the annual outing and sports may be pulled off.

The committee on the outdoor convention garden to be held in August during the Boston 1914 S. A. F. Convention, has been working energetically setting out the large shipments sent by many of the leading growers for this event.

Already the interest of the horticultural lovers of Boston, whose number is legion, has been attracted. The newspapers are giving considerable space to write-ups and interested sight-seers are beginning to be attracted to the garden. In early July, Fenway Park, the home of the Boston American baseball team, will be opened and the 20,000 to 30,000 people who daily attend these games will, owing to their adjacent and convenient location, supply hundreds of sight-seers to the progress of the garden.

From environment and accessibility the garden should have the greatest attendance of any affair of its kind ever attempted, and it is regretted that more of the distant growers could not have appreciated this. It, however, is still not too late. A few very desirable plots may be obtained and with the excellent care that will be accorded any planting, the exhibit should be at its best during August when not only all visiting members of the S. A. F., but many thousands of the public will have the opportunity of seeing what the earnest workers in floriculture and horticulture are accomplishing.

PERSONAL.

P. Welch and family, of Boston, have gone to their summer cottage at Old Orchard Beach, Me.

H. Huebner of Groton, Mass., will sail from Boston for Europe on the Cincinnati of the Hamburg-American line, July 7.

Harry Bayersdorfer and Mrs. Bayersdorfer are expected to arrive from their European trip on the Vaterland, Saturday, July 4.

Alfred T. Bunyard, of New York City has returned from a visit to England, where his parents celebrated their golden wedding.

R. M. Ward, who is on an extended foreign tour, writes from Melbourne, Australia, and says he is having a glorious pleasure trip. It is now winter there but mild. Mr. Ward says that the seed stores, and the florists too, are behind the times as compared with American establishments, but it is a good and growing country and ready for modern enterprise. He leaves soon for New Guinea and thence to Manila, China and Japan.

CINCINNATI NOTES.

John Weiland and John Didier of Evanston, Ill., are the guests of Mr. and Mrs. P. J. Olinger.

Miss Cora Pherson returns from a two weeks' stay in New Orleans the latter part of this week.

C. E. Critchell upon his return from Boston spoke very enthusiastically and very favorably of the convention plans and preparations as well as of the hospitality of the Boston florists.

Don't forget the Florists' Club outing at the Lagoon next Thursday, July 9. Those who have not received tickets may get them at the wholesale houses or from the committee.

The Cook Co. Florists' Association held its regular meeting at The Tavern, Chicago, June 16. The subject of a summer outing was discussed at length and the favorite picnic was abandoned for a boat ride. A committee with Paul Klingsporn as chairman, was appointed with full power to act. The transportation committee reported on the Gregory Tours, to the Panama Exposition, in 1915 and the charge of \$152, for round trip, and seven days at a first class hotel, seemed to strike favorably. John Zech was appointed to investigate. The meeting was then turned over to the Bowling League and Wm. Lorman, sec'y, announced the scores for the year and awarded the prizes.

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For page see List of Advertisers.

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Ampelopsis Vetchii—Largest stock of 2-year transplanted in the United States. All sizes up to strong 3-ft. plant. Send for prices before placing your order elsewhere. CHAS. BLACK, Hightstown, N. J.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Diamond Collection Azaleas.
For page see List of Advertisers.

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McHutchison & Co., New York.
For page see List of Advertisers.

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For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

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For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

BEGONIAS

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For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and Florence Davenport, 2 1/4 in. pots. Delivery from May 15th. JULIUS ROEHRS CO., Rutherford, N. J.

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For page see List of Advertisers.

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For page see List of Advertisers.

BOILERS—Continued

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For page see List of Advertisers.

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For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
German Iris and Lilliums Henryi and Tenuifolium.
For page see List of Advertisers.

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Holland and Japan Bulbs.
For page see List of Advertisers.

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For page see List of Advertisers.

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Horticultural Importers and Exporters.
For page see List of Advertisers.

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Bulbs of all descriptions. Write for prices.
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108 of the best varieties. Send for new Complete Canna Book, just out. THE CONARD & JONES COMPANY, West Grove, Pa.

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For page see List of Advertisers.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple. 2000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

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For page see List of Advertisers.

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Chrysanthemum Novelties for 1914.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Cyclamen, best German strain, in fine assorted colors; good stock out of 2 1/4 in. pots at \$5.00 per 100. J. H. FIESSER, North Bergen, N. J.

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Dahlias at greatly reduced prices for 1914. Send for wholesale list. Order early. J. L. MOORE, Northboro, Mass.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest. Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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For page see List of Advertisers.

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For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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DRACAENAS

Dracaena Indivisa, strong, 7 in. to 4 ft. high, 75c. and \$1.00 each. H. WESTON, Hempstead, N. Y.

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For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Ernest Oechslein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

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Wizard Brand Cattle Manure.
For page see List of Advertisers.

For List of Advertisers See Page 3

FERTILIZERS—Continued

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Wedding Accessories.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

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Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

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Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

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R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Good stuff, 4c. J. A. KEENEY, Monon-
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

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For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Frank Van Assche, Jersey City, N. J.
For page see List of Advertisers.

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Hitchings & Co., New York City.

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For page see List of Advertisers.

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For page see List of Advertisers.

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King Construction Co., N. Tonawanda, N. Y.
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For page see List of Advertisers.

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For page see List of Advertisers.

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Mich.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

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For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.

For page see List of Advertisers.

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Plantlife.

For page see List of Advertisers.

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ville, Ky.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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J. P. Campbell, Jacksonville, Fla.
For page see List of Advertisers.

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English Ivies, 4 in. to 3 ft., \$10.00 per
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Jerusalem Cherry, out of 2½ in. pots at
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Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

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Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

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Laurus Cerasus: Bush, 35c.-\$1.00 each;
Standards, \$7.50-\$10.00 each; Pyramids,
\$5.00-\$7.50 each.

JULIUS ROEHRS CO., Rutherford, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

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August Rolker & Sons, New York City.
For page see List of Advertisers.

Otto Heineken, New York City.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

NEW AND RARE PLANTS FROM CHINA

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Otto Heinecken, New York City.
For page see List of Advertisers.

Manning Nurseries, No. Wilmington, Mass.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

Freeman Orchid Co., Fall River, Mass.
For page see List of Advertisers.

PALMS, ETC.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Otto Heinecken, New York City.
For page see List of Advertisers.

PEONIES.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHR'S CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

Otto Heinecken, New York.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POINSETTIAS

A Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

RAFFIA

McHutchison & Co., New York City.

REFRIGERATORS FOR FLORISTS

United Refrigerator & Ice Machine Co.,
Kenosha, Wis.
United Ice Machines.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Otto Heinecken, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

ROSES—Continued

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
Rose Mrs. George Shawyer.
For page see List of Advertisers.

Send for complete list of strong two-year field plants of choicest roses. THE CONARD & JONES COMPANY, West Grove, Pa.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Flower Seeds.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Quality Flower Seeds.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Kelway & Son, Langport, England.
Garden, Farm and Flower Seeds.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Florists' Seeds.
For page see List of Advertisers.

Fottler, Fliske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SNAPDRAGONS

SNAPDRAGONS—10,000 Rooted Cuttings,
Silver Pink, Yellow and White, \$2.00 per
100, \$15.00 per 1000. WM. SWAYNE, Ken-
nett Sq., Pa.

For List of Advertisers See Page 3

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. **LAGER & HURRELL**, Summit, N. J.

SPRINKLING, IRRIGATING AND WATER SUPPLY OUTFITS

Chas. J. Jager & Co., Boston, Mass.
For page see List of Advertisers.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

STRAWBERRY PLANTS

Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

TWEMLOW'S PUTTY.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

I. M. Raynor, Greenport, N. Y.

Celery Plants, Golden Self-Blanching (French Strain), fine plants, ready now, \$2.00 per 1000. Cash. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

SWEET POTATO PLANTS—All the leading yellow varieties, including Yellow Nansemond, Up Rivers, Big Stem Jersey, Early Golden, and other varieties; 1000, \$1.50; 5000 or more, \$1.25 per 1000. Prompt shipment. **H. AUSTIN**, Felton, Del.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

VINCAS

William Capstick, Auburndale, Mass.
For page see List of Advertisers.

WEED KILLER

Plno-Lyptol Chemical Co., New York City.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. **HULTON & HUNKEL CO.**, Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

**WHOLESALE FLORISTS—Continued
Boston**

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**BOILERS FOR SALE.**

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

CHOICE ROSES.

L. B. Coddington, Murray Hill, N. J.
For page see List of Advertisers.

FIELD GROWN CARNATION PLANTS.

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

FERNS IN FLATS.

McHutchison & Co., New York City.
For page see List of Advertisers.

GIANT PRIZE PANSY SEED.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

KENILWORTH GIANT PANSY SEED.

Chas. Frost, Kenilworth, N. J.
For page see List of Advertisers.

ROSES, FERNS AND MISCELLANEOUS STOCK.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

ROSE MRS. CHARLES RUSSELL.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

Why HORTICULTURE has stood the test as a profitable Advertising medium for the trade.

Because It is read by the men of standing and influence in the Horticultural field, every one of whom is a prospective buyer.

Why HORTICULTURE is so widely read.

Because Its contents are distinctly representative of American Horticulture and are thus indispensable to the Florist, Nurseryman, Seedsman and Gardener.

An Admirer of HORTICULTURE in the Central West writes; "It has won on its merits. It is our most prized weekly visitor."

And Now How HORTICULTURE has managed to elbow its way in between its older rivals and why the best trade advertisers find it an indispensable auxiliary.

It's No Secret That the men who read HORTICULTURE are the sort of men that advertisers like to talk to and if you have anything to advertise you can't afford to get along without them.

In writing to Advertisers kindly mention Horticulture

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE

FOR SALE

Lot of land, 248 feet by 106 feet, with 3 iron construction greenhouses, 175 x 20 feet each, potting shed, some frames in fine condition. Located on three streets, trolley passing the front, in a town of 40,000 inhabitants, close to New York. Excellent place, suitable either for local trade where all the products could be readily sold or for wholesale shipping to New York or Philadelphia. Low price, terms to suit purchaser. Address Chance, care HORTICULTURE.

FOR SALE

Three good tubular boilers, in use at the present time—two 1½ ft. and one 1 ft. in diameter. Can be bought with all appurtenances very cheap. Parties putting in larger boilers. Apply

N. F. MCCARTHY & CO., 112 Arch Street BOSTON

RETIRING FROM BUSINESS

AUGUST MILLANG wishes to sell his Old Established business, 57 Stuyvesant Ave., cor. Pulach St., Brooklyn, N. Y. Store, two greenhouses and garage. Will sell cheap. Rent reasonable.

FOR SALE—Large place in New Jersey, near New York City; 30,000 feet of glass, large dwelling and furniture, barn, horses, and automobile; well established business, local and wholesale; also large landscape business. Place is near trolley and railroad, and is in first class condition, all up-to-date improvements. Price very reasonable; owner must sell at once, going west. Particulars CHAS. MILLANG, 55 W. 26 St., New York City.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PAR-SHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

BARGAIN — Greenhouse, residence and stock; no competition; live village, 30 miles from Buffalo, excellent shipping facilities. Write ELLIS BROS., Springville, N. Y.

FOR SALE Greenhouses on estate of the late Anthony G. Hanna. In excellent condition to remove and rebuild; 5000 ft. glass, large Gurney heater and about 2000 ft. piping. Will be sold cheap for cash. MRS. E. B. HANNA, Extr., Holbrook, Mass.

FIRE.

Woonsocket, R. I.—The flower store of Mrs. James A. Staples in the Union block, was damaged to the extent of \$1,000 by fire June 22d. The loss is covered by insurance.

NEW CORPORATION.

Franklin, Mass.—W. F. Cobb Company, agricultural and flower seeds, capital stock, \$50,000. Incorporators, W. F. Cobb, Fannie E. Cobb and E. L. Pierce.

OBITUARY.

Charles Frueh.

Charles Frueh, senior member of the firm of Charles Frueh & Sons, died of heart failure on June 18, at his home in Saginaw, Mich., aged 66 years. He was a native of Dierheim, Germany. His widow, two sons and three daughters survive him.

John S. Parks.

John S. Parks, descendant of an old Long Island family, died Sunday, June 21, at his home, in Patchogue, N. Y., aged 70 years. He was born in the old Parks homestead, at 90 Broadway, Flushing. Upon the death of his father, in 1882, he took over his wheelwright business, which he conducted until 1894, when he moved to Patchogue. Since living in Patchogue he had been engaged in the florist business. He leaves a widow, a brother and a sister.

Isaac Kennedy.

Isaac Kennedy, late of Cleveland, O., and formerly in the employ of John Burton, Chestnut Hill, Phila., died on June 17 at his home in West Park, O., after a long illness. Mr. Kennedy was for some time secretary of the Cleveland Florists' Club and his brother W. J. Kennedy is now president of the Gardeners' and Florists' Club of Boston. He was recognized as a grower of exceptional ability, especially in roses under glass. He was always popular and many friends in Philadelphia and elsewhere will regret his passing away.

Joseph Wolniewicz.

Joseph Wolniewicz passed away June 26, at his home, 1214 School street, Chicago, after an illness of eight months. For business purposes he dropped all but the first part of his surname and was doing a retail business at his home and a wholesale one at his new modern houses near Milwaukee and Belmont avenues under the name of Joseph Wall. Born in Poland, 57 years ago, he served his time in the army and when 25 came to Chicago, where he has lived ever since. Mr. Wall leaves a widow, three sons, of whom Julius F. and William will continue the business, and four daughters.

Robert Rust.

Recent papers from Arbroath, Scotland, contain extended announcements of the death in that city of Robert Rust, father of W. C. Rust of Jamaica Plain, Mass., for several years the well-known gardener of the Weld estate. The late Mr. Rust was 68 years old and for many years had been superintendent of the beautiful Western Cemetery in Arbroath, and was well known over a wide section of Scotland for his ability in his calling. In 1895 he was appointed superintendent of Western Cemetery and year after year under his management the cemetery increased in beauty until it came to be recognized as one of the most picturesque burial places in Scotland. His remains were interred amid the beautiful surroundings his own hands and artistic talent had helped to fashion.

A writer in the Arbroath Guide pays the following tender tribute to the deceased:

"Not all of us can leave behind so clearly



Guaranteed under the Insecticide Act, 1910 Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c

½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9

10 Gal. Can., \$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil

This is the Real Nature's Humus. Put it on your lawn this spring. Don't let it burn up, or stand all summer hose in hand.

Order now in 100 lb. bags.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

with a record of work well done as has Mr. Robert Rust, the late custodian of our burial grounds. Since the days of John Nicoll, who planned and laid out our first 'New Cemetery,' it was an unbroken tradition of work in this connection, carefully and with love accomplished, to which Mr. Rust fell heir, to which now, also, his successor succeeds. In Mr. Rust's hands these traditions were more than successfully maintained; and now that he also sleeps in the beautiful 'garden enclosed,' which he has tended so long and so faithfully, his works—in this as in other things faithfully accomplished—do follow him to his rest."

MASSACHUSETTS AGRICULTURAL COLLEGE.

The Department of Floriculture, in conjunction with the Library, has just published a library leaflet on "Books for the Amateur Flower Gardener." In the very near future a second leaflet will be published by the Department on "Books for the Professional Grower" which will include works of a more technical nature and of greater value to professional men.

In the Summer School (June 29 to July 28) a course in floriculture will be given covering the subject of the growing of flowers in the home and in the garden. This course is designed to familiarize students with the subjects of containers, potting soils, fertilizers, insecticides, and with the preparation and planting of flower beds, and the propagation and culture of plants suitable for the window garden. A study of the varieties and culture of tender annuals and perennials will also be made. The work will be supplemented by discussions on the planning of formal flower gardens and informal borders.

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING—VAPORIZING—FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

PINO-LYPTOL

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

PINO-LYPTOL CHEMICAL CO.

455-457 West 26th Street, NEW YORK CITY

CORRESPONDENCE SOLICITED



NIKOTEEN 30 Per Cent Strength For Spraying APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

Guaranteed under the Insecticide Act of 1910, U. S. No. 46.

NICOTINE MFG. CO. ST. LOUIS, MO.

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

FARMERS AND FLORISTS FERTILIZER CO.

809 Exchange Ave., Rm. 15. Tel. Yards 842.
U. S. YARDS, CHICAGO, ILL.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$2.75 per 112 lbs.; \$12.50 per 560 lbs.

Stumpp & Walter Co.
30-32 Barclay Street, NEW YORK



IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

PLANTLIFE

PLANTLIFE has several advantages over liquid insecticides on the market. Containing refined tobacco dust it can be used to mix with the soil, acting as an excellent fertilizer, at the same time destroying worms and insects in the ground before they have a chance to reach the plant.

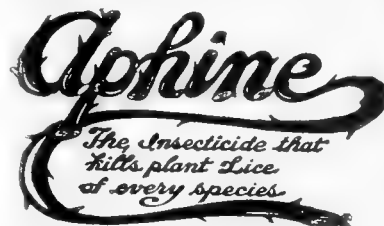
PLANTLIFE has been found very effective in ridding greenhouses of insects by dusting on plants. When dry, use for dusting about once a week.

Put up in bulk for greenhouse men;
in packages for retail trade.

Bag of 100 lbs. \$3.50.

Let us quote you prices in quantity.

The Plantlife Company, 251 East 66th Street
NEW YORK, N.Y.



The Recognized Standard Insecticide

For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$1.00 per quart—\$2.50 per gallon.

FUNGINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

75c. per quart—\$2.00 per gallon.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$1.00 per quart—\$3.00 per gallon.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

75c. per quart—\$1.50 per gallon.

All the above products are readily soluble in water at proportions directed on cans and are used as spraying materials.

NIKOTIANA

A 12% nicotine solution for fumigating and vaporizing.

\$1.50 per quart—\$4.50 per gallon.

Manufactured by

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals

MADISON, N. J.



Unequalled for Greenhouse and
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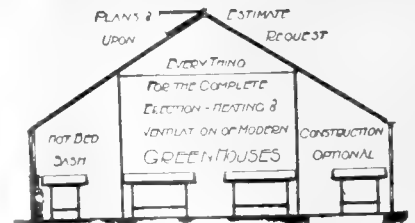
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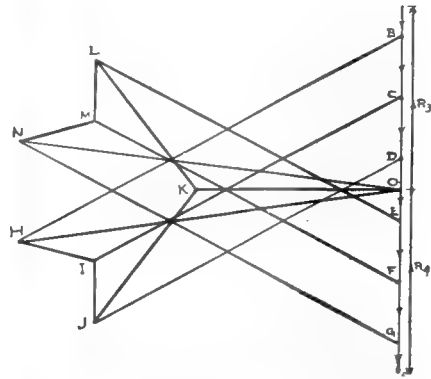
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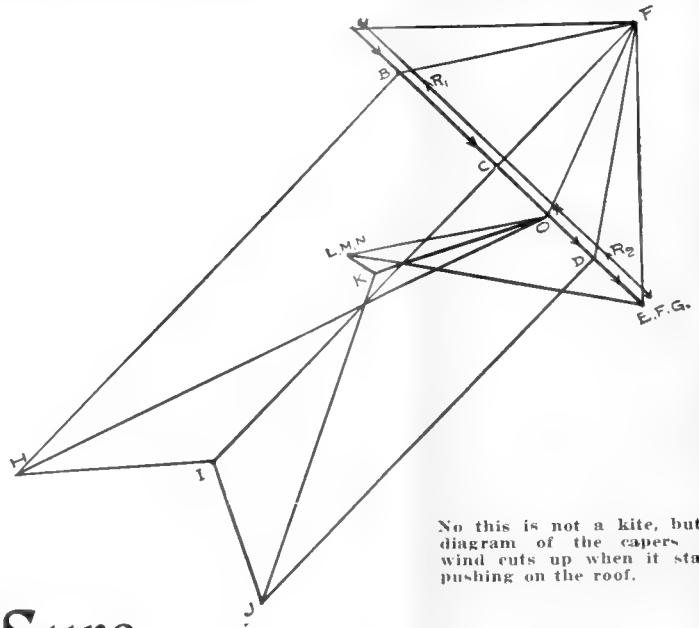
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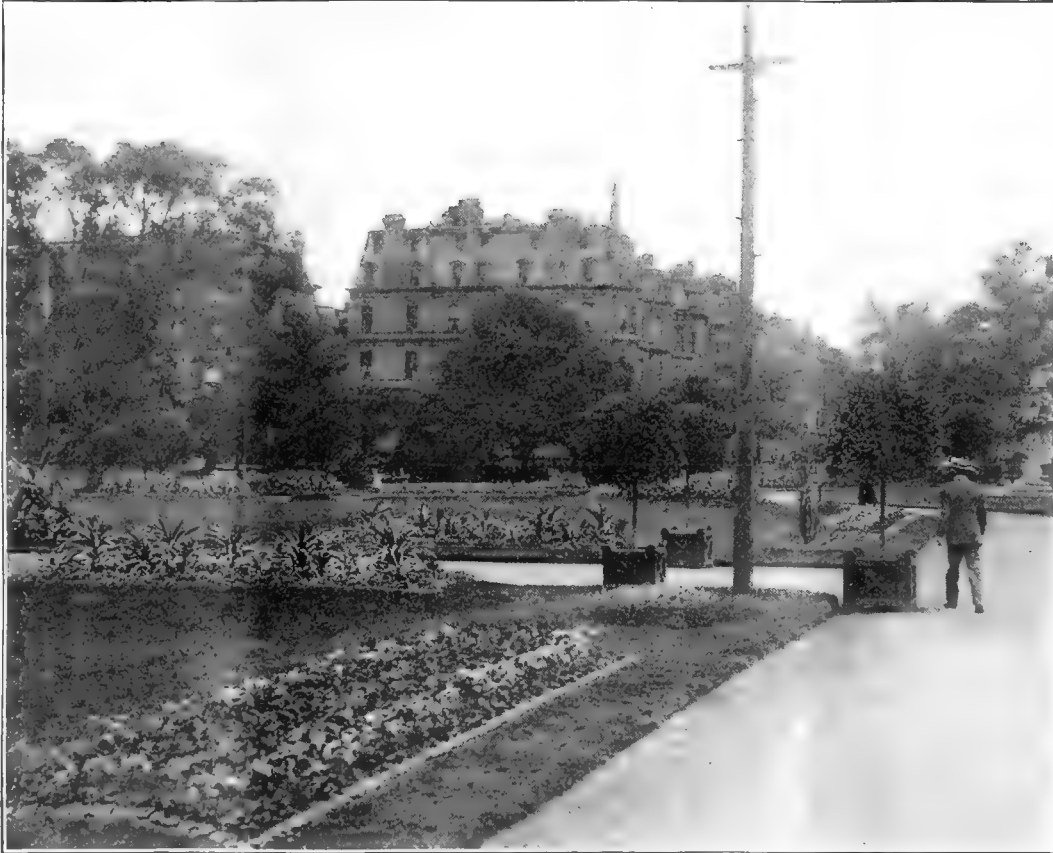
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Vol. XX
No. 2
JULY 11,
1914

HORTICULTURE



The Convention City

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LIST OF ADVERTISERS

Page	Page	Page	Page	Page	Page
Advance Co.....63	Cowee, W. J.52	Hart, Geo. B.54	McKenzie, John...36	Quaker City Ma-	Stearns, A. T.63
Albany Cut.....54	Coddington, L. B.34	Heacock, Jos. ....54	McManus, Jas. ....54	chine Co. ....63	Lumber Co. ....63
Flower Ex. ....54	Craig, Robt. Co.36	Henderson, A. & Co. ....36	Metropolitan Ma-	Randall's Flower	Storrs & Harri-
Allen, J. K. ....49	Dards .....48	Hess & Swoboda.48	terial Co. ....63	Shop .....49	son .....36
Anderson, S. A. ....49	Davenport, A. M.36	Hews, A. H. & Co. ....62	Meyer, Chas. F. ....47	Reed & Keller ...54	Stumpp, G. E. M.48
Aphine Mfg. Co.61	Dodge, E. L. ....63	Hilfinger Bros....62	Michell's Seed	Reid, Edw. ....52	Stumpp & Wal-
Aschmann, G. ....36	Dörner, F. & Sons Co. ....36	Hill, E. G. Co....52	House .....46	Reuter's .....50	ter Co. ....61
Asmus, Geo. ....50	Dreer, H. A. ....62-63	Hitchings & Co..64	Michigan Cut	Rice, M. Co. ....49	Thorburn, J. M.
Ayres Co., S. ....47	Dunlop, John H.49	Holland Nurser-	Flower Exchange.52	Roehrs, J. Co....43	& Co. ....47
Bryson .....47	Dysart, R. J. ....52	ies .....34	Millang, Chas. ...54	Roland, Thomas.36	Tracy & Schenck .....54
Badgley, Riedel & Meyer .....54	Eastern Chem-ical Co. ....60	Holm & Olson...48	Montreal Floral Exchange .....54	Rolker, A. & Sons .....35-62	United Refriger-
Barrows & Son...36	Edwards Folding Box Co. ....52	Kasting, W. F. Co. ....52	Moore, Hentz & Nash .....54	Rosary, The ....48	ating & Ice
Bayersdorfer, H. & Co. ....51	Elliott's, W. Sons.63	Keller, J. B. Sons.48	Murray, Samuel.48	Sander & Son...43	Machine Co. ....51
Bay State Nurseries .....34	Ernest, W. H. ....62	Keller, J. M. Co.36	National Nurseryman .....34	Sanderson Fertilizer & Chemical Co. ....61	Valentine, J. A.48
Bobbink & Atkins .....34	Esler, J. G. ....62	Kentucky Tobacco Product Co.61	Nicotine Mfg. Co.62	Schiller .....50	Vick's James Sons .....47
Boddington, A. T.45	Eyres .....49	Kervan Co. ....54	Niessen, Leo Co.52	Schling, Max ....49	Vincent, R., Jr., & Sons Co...35-47
Bolgiano & Son, J. ....47	Farmers and Florists Fertilizer Co. ....60	King Construction Co. ....62	Oechslein, Ernest.36	Schultheis, A. ....36	Van Assche, F...62
Boston Florist Letter Co. ....52	Farquhar, R. & J. & Co. ....47	Komada Bros. ....51	Ouwerek, P. ....34	Schwake, Chas. & Co. ....35	Wants, For Sale.59
Breck, J. & Sons.47	Foley Mfg. Co. ....63	Kramer, P. H. ....49	Palmer, W. J. & Son .....48	Sheridan, W. F.54	Ward, R. M. & Co. ....36
Brietmeyer's, J. Sons .....48	Ford, M. C. ....54	Kroeschell Bros.63	Park Floral Co..48	Sharp, Partridge & Co. ....63	Warendorff, A. & Co. ....48
Bryan, Alonzo J.36	Ford, W. P. ....54	Kuebler, W. H. ....54	Parshelsky Bros.63	Shinn, Warren.46	Weber, F. C. ....49
Burnett Bros. ....47	Freeman Orchid Co. ....43	Lager & Hurrell.43	Peirce, E. Allan.62	Siebrecht, Geo. C.54	Weeber & Don...46
Burpee, W. A. & Co. ....47	Framingham Nurseries .....34	Lemon Oil Co....62	Pennock - Meehan Co. ....53	Siggers, & Siggers .....63	Welch Bros. ....52
California Seed Growers' Asso.47	Froment, H. E. ....54	Leonard Seed Co.47	Penn the Florist .....49	Skidelsky, S. S. & Co. ....47	Whittier & Co., W. B. ....34
Capstick, Wm. ....43	Frost, Chas. ....44	Lochner & Co..35	Pierce, F. O. ....63	Small, J. H. & Sons .....49	Wood Bros. ....36
Capstick, Wm. ....43	Galvin, Thos. F.49	May & Co., L. L.49	Pierson, A. N. ....36	Smith, P. J. ....54	Woodruff, S. D. & Son .....47
Carter's Tested Seeds, Inc. ....47	Gasser Co. J. M.49	Manning Nurseries .....34	Pierson, F. R. Co. 43-50	Smith & Co., E. D. ....36	Woodrow & Markos .....52
Champion, J. N. & Co. ....49	Graham Adam & Son .....48	McCarthy, N. F. & Co. ....52	Plant Food Co..61	Smith & Hemenway Co. ....44	Young, A. L. ....54
Childs, John Lewis .....43	Gude Bros. Co. ....49	McConnell, Alex.48	Plantlife Co. ....61	Smith, W. & T. Co.34	Young, John ....54
Clarke's, D. Sons.48	Hall Association.62	McHutchinson & Co. ....36	Poehlmann Bros. 34-52	Smyth, Wm. J. ....48	Young & Nugent.48
	Hammond's Slug Shot Works ....60	McKenna & Son, P. ....49	Pulverized Manure Co. ....61	Stamford Seed & Nursery Co..47-50	Zinn, J. A. ....49
					Zvolanek, Ant. C.47

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 56, 57, 58, 59

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L. I., N. Y.**

NOTES OF CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Callas

To flower well during the early winter callas should be started now. Any that are soft and flabby, or show spots of mouldy decay and perhaps have already started a thin, spindly bit of growth should be discarded. New roots are cheap enough and most growers use none but fresh roots every year. Shake off all the old soil and pot up into 6 or 7 inch pots. Give them a compost of three parts of fibrous loam to one of well decomposed cow manure and a good dash of bone meal. After the bulbs are potted they should be stood outdoors in a frame on coal ashes. Callas, although mighty thirsty when doing their best, are not aquatic plants and overwatering is possible and harmful, too, so care should be exercised in watering at this stage as they make roots rather slowly and are very likely to receive too much water. Too dry or too much soaked—one is as bad as the other. The most spotless and most substantial blooms on strongest stalks are grown in a temperature of 58 to 60 degrees.

Care of Gardenias

Gardenias that were benched early in June will now be advancing very rapidly and must have every encouragement to promote a quick and sturdy growth. On all favorable opportunities give them ventilation without allowing direct or cold drafts to strike them. A little fire heat should be given, just enough to slightly warm the pipes and you will be able to keep a chink of air on all the time. Examine the beds each day so there will be neither dry spots nor places showing a saturated condition both of which are very detrimental. Damping down will now be necessary two or three times a day. While the gardenia delights in a high temperature, great care should be taken on all suitable occasions, to secure a gentle circulation of fresh air. Give them a dusting of very fine bone first over the surface, and then a light mulch of well rotted cow manure. A good syringing of water helps to keep down insect pest.

Geraniums

The regular winter-blooming geraniums, being grown in pots should have the strong leading shoots pinched as they show any tendency to "run away"; also keep all flower spikes picked off. They like a freely ventilated house. In a musty, ill-ventilated one they will develop bacteria. Dead, decaying leaves and weeds should be removed and the plants frequently spread out while growing. They should not be allowed to get potbound between shifts and if they show starvation in their blooming pots, a dusting of fine bone or other fertilizer on the surface or weak nitrate of soda water, will tone them up. Avoid the use of liquid manures. These only pro-

mote a soft growth at the expense of flowers. Give the plants an occasional spraying overhead. It will be quite a number of weeks before it will be safe to start the propagation of geraniums. The plants, however, can be looked over in the field and any rogues marked. Many florists plant beds of geraniums about the approaches to their greenhouses. It must be remembered that geraniums must have full sun all the time.

Rambler Roses

Ramblers that were started from dormant plants in April and have made a long, stout growth can, at the end of this month, be put outside. Do not set them on any material that they can root into or they will keep on growing, which you do not want. To nicely ripen the canes they have made, set them on boards, but surround the pots with leaves or litter, or some material to keep the sun from drying them out continuously, for the pots are very full of roots. Don't shift them either; reserve that until you begin to start them into growth next January, when they need something for their new active roots. Keep them watered for a long time yet, as the buds they are now making are what will give the trusses of bloom for next Easter. A drying out now not only interferes with a nice, uniform setting of future flowering growth all along the canes, but it tends to ripen off the wood altogether too soon. It will be time to gradually let up in watering when the progress of ripening has started to show itself.

Planning For Next Winter

The proper time for making a fresh start in the growing of plant stock for the coming season is just now. For the carnations use the best houses you have; they need all the sun and light during the winter months if you expect them to grow into money. Sweet peas, snapdragons, stocks, pansies and lilies all form excellent material to follow chrysanthemums or take the place of carnations if any of them fail to do well. Bulb stock for cutting, such as tulips and narcissi are of great importance to most of us. Poinsettias, if you can keep the house they are in at 60 degrees and over next November are another standby. And so is mignonette, which can be grown in the house in which are Princess of Wales violets.

Solanums

Plants in the field, from now and up to the first week in September, will be making their growth. Keep the ground well cultivated every week. Go over the plants and pinch them back regularly and where the weather continues dry they will be better for some water so as not to become stunted.

Mr. Farrell's next notes will be on the following: Chrysanthemums; Nephrolepis; Orchids; Cold Storage Lilies; Sweet Peas; Repairing Boilers and Piping.

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CONTENTS

Page

COVER ILLUSTRATION—View in Public Garden, Boston	
NOTES ON CULTURE OF FLORISTS' STOCK—Callas—Care of Gardenias—Geraniums—Rambler Roses—Planning for Next Winter Solanums— <i>John J. M. Farrell</i>	37
DENDROBIUM FALCONERI— <i>M. J. Pope</i> —Illustrated	39
HARDY HERBACEOUS EUPHORBIAS— <i>Richard Rothe</i> —Illustrated	39
CLUBS AND SOCIETIES—American Association of Nurserymen—Pittsburgh Florists' and Gardeners' Club—American Gladiolus Society—Florists' Club of Philadelphia—Club and Society Notes	40
CONVENTION CITY NOTES	41
OUT OR THE GINGER JAR— <i>George C. Watson</i>	44
BRITISH HORTICULTURE— <i>W. H. Adsett</i>	45
SEED TRADE—The Pea Outlook—New York in 1915—Agricultural Department's Seed Imports—Notes	46
OF INTEREST TO RETAIL FLORISTS: Steamer Departures	48
Flowers by Telegraph—New Flower Stores	49
DURING RECESS—New York Florists' Club—Greek-American Picnic—Cook County Florists—St. Louis Growers	51
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago, Cincinnati, New York, Philadelphia	53
St. Louis, Washington	55
OBITUARY— <i>W. H. Humfeld</i> — <i>Joseph Bradbury</i>	55
MISCELLANEOUS: Panama-Pacific Horticultural Exhibits	41
A Geranium Test	41
Geranium Helen Michell—Illustrated	41
Syracuse Rose Show	41
A Correction	41
The Reason for Cheap Gardeners	42
"The Happy Gardener"—Poetry	42
Hardy Magnolias	42
"War on Caterpillars"	43
Mushroom Covering	43
Noteworthy Carnations	43
Catalogues Received	44
Fires	45
Philadelphia Notes—Washington Notes	50
St. Louis Notes—Chicago Notes	50
New Corporations	50
Personal—Visitors' Register	51
R. M. Ward and a Group of Naturalists—Illustration	51
News Notes	55-62
Texas to Have an Arboretum	55
Business Pointers	55
Publications Received	55
The Value of Trade Journals	60
Greenhouses Building or Contemplated	62
Patents Granted	62

Greenhouse plants taxable

We regret to learn that the Ohio florists have lost their long struggle against the taxation of their growing crops, in their final appeal. Plants in greenhouses, removable for transplanting or for sale and delivery, whether in pots or benches, are declared to be personal property and taxable. The seven-years' fight in the courts under the lead of the Springfield Florists' Club has been conducted at no small expense to the florists and nurserymen of Ohio but, had they won, the result would have been of great pecuniary value to the florists of the entire country. As it is, we may expect to see other States where florists' stock has hitherto escaped, soon fall in line, with Ohio's decision as a

precedent. To the average intelligence the justice of exempting the farmer's crops in the field while taxing the florists' crops in the glass is far from plain. Should there be a further appeal and the case come before the Supreme Court would it not be well for the S. A. F., as representing growers in all the States, to extend such assistance and support as is in its power?

"Clean-up" day

An annual clean-up day has come to be quite the fashion in many towns of late. From the standpoint of the local florist, seedsmen, or nurseryman, this innovation should be industriously advocated and incited and can be made a lever to induce every man, woman and child in the town to strive to do something for the tidying-up and beautifying of their surroundings, which is equivalent to doing something for horticulture. Many willing hands make light work and one great point in favor of the movement is that when once the spirit of cleanliness and order is awakened and the appreciation is aroused for attractive surroundings, every day will, in a measure, be a clean-up day. We read of one New England village where "they had such a grand clean-up day that the rubbish filled up a big hollow near Postoffice Square, and they are going to grade it and plant rosebushes." Who can estimate the cumulative effect of such a campaign industriously followed up? If there is a florist, seedsmen or nurseryman in that town and he doesn't see in this a sure opening for a "bigger, better, busier" business for himself then he deserves to be left to trail behind his more discerning and enterprising rivals. As an institution of permanent value and constantly increasing profit to every one engaged in floral industry, "Clean-up day" holds a potentiality far beyond any "mothers' day," "fathers' day" or other similar proposition.

Angles of view and angles of method

Our news notes mention the tearing down of a large range of greenhouses for the alleged reason that the policies of the present administration at Washington have made the business unprofitable. But in other columns we record, as in every issue since HORTICULTURE came into existence, a list of many new structures, rebuilding, enlarging, and similar activities present or projected, among the greenhouse people. As in most of the affairs of life, one's convictions on this subject are no doubt largely influenced by the view point "angle." There never was a time when some person didn't feel sure that the country was going "to the demmition bow-wows." So far as the future growth and prosperity of commercial horticulture is concerned HORTICULTURE takes no stock in these grouches and forebodings which are heard from time to time. Greenhouse property is a prime investment and will so continue, provided, however, that the business is conducted intelligently on up-to-date methods. But, conducted on the lines of twenty-five years ago "it can't be done"—which is still another "angle."

"New times demand new measures and new men;
 The world advances and in time outgrows
 The laws that in our fathers' day were best;
 And, doubtless, after us some purer scheme
 Will be shaped out by wiser men than we,
 Made wiser by the steady growth of truth.
 The time is ripe, and rotten ripe, for change;
 Then let it come: I have no dread of what
 Is called for by the instinct of mankind.
 Nor think I that God's world would fall apart
 Because we tear a parchment more or less.
 Truth is eternal, but her effluence,
 With endless change, is fitted to the hour;
 Her mirror is turned forward, to reflect
 The promise of the future, not the past."

—James Russell Lowell.

Dendrobium Falconeri



DENDROBIUM FALCONERI

Dendrobium Falconeri has been known to science since 1817, so there is nothing new about it, but as it is one of those orchids which are somewhat difficult to cultivate for many years in succession, it may be interesting to some to know under what conditions the plant illustrated grows and flowers here.

As will be noticed by the picture, this dendrobe is of a straggling habit, throwing out numerous side branches, which in time produce aerial roots from their base. The main stems of the plant are fastened to the sticks inserted in the pan for this purpose and to these the aerial roots will cling for support.

The sticks used in this case are branches of the liquidambar or sweet gum tree cut while in a growing state: they will last a number of years and on account of their peculiar cork-like eruptions of the bark are well suited for the purpose, although not exactly necessary.

This plant grows in full sun all the year round in a house with a southern exposure where the night temperature in winter is kept at 56 to 58 degrees, with an increase of 10 to 15 degrees during the day with sun heat or 5 degrees in cloudy weather. The plant is syringed two or three times on bright days during summer.

The flowers of this beautiful dendrobe are remarkably large in comparison to the thin knotty pseudo-bulbs, deliciously fragrant and of exquisite coloring. The sepals and petals are white, tipped with purple, the lip is of the same color with the addition of a large, deep maroon blotch bordered with orange yellow in the center. The plant blooms in May or June and lasts about a week in good condition.

M. J. Ope

Naugatuck, Conn.

Euphorbia corollata



EUPHORBIA COROLLATA

Of the genus *Euphorbia*, comprising over 500 species, the hardy herbaceous section is the least known. We readily recall among the many representatives of the cactus-like milkworts, conspicuous specimens of *Euphorbia Caput-Medusae*, *E. mammillaria*, *E. mauritanica* or *E. imbricata* in succulent plant collections of the botanical gardens of Europe. We find ourselves thoroughly familiar with the winter-flowering tropical *Euphorbia splendens* distinguished by bare, dark, thorny stems, small leaves near the top and clusters of bright red blossoms and perhaps also the species *Euphorbia atropurpurea* and *E. fulgens*. As a matter of fact there is no lack of general appreciation of the effective value of the annual *Euphorbia variegata*, the so-called Snow of the Mountain, and frequently too *E. heterophylla*. But to the majority of our horticulturists *Euphorbia cyparissias* and *E. polychroma*, two very handsome yellow-flowering perennial border species, remain still undiscovered. I believe it is time for us now to avail ourselves of the possibilities they offer for effective use. The same may be said of the creeping kinds, *Euphorbia capitulata* and *E. Myrsinites*, two mountain species from the Mediterranean Sea: both being very attractive rock-garden plants, in flower during May.

The herbaceous milkwort, however, which in my opinion merits our foremost attention is our native species *Euphorbia corollata*. The "Flowering Spurge," as this herb is called, attains a height of from 2 to 3 feet, bearing its terminal umbels of white blossoms gracefully on long thin stalks. The clump depicted by our illustration, a reproduction of a photo taken last season at the Dreer Nurseries in Riverton, N. J., gives an idea of the natural habit of growth of this plant when left without the support of staking. *Euphorbia corollata* is a very handsome midsummer-flowering perennial of which we have by no means an over-abundance at our disposal. It is well adapted for the mixed border and may also be used to best advantage for natural plantations or wild flower gardens. According to my observation, drought does not seem to affect it seriously: on the contrary, a high and rather dry situation appears to be required for perfect development.

Richard Fother

Glenside, Pa.

CLUBS AND SOCIETIES

AMERICAN ASSOCIATION OF NURSERYMEN.

If any doubt had previously taken possession of a single nurseryman regarding the success or non-success of the Cleveland convention of the American Association of Nurserymen, such a question would have been quickly settled if he could have stood in the rotunda of the Hollenden Hotel on the morning of June 24th. Never in the history of nurserymen's conventions was a more representative and enthusiastic aggregation of "the sons of the soil" assembled as that which was at the Sixth City.

"Business first" was in the atmosphere, and when President J. B. Pilkington, of Portland, Oregon, sounded the call to order, several hundred members responded. We have already given a brief resume of some of the business that was transacted after the opening invocation by "Father" Harrison, of York, Neb., and the address of the president and officers' reports. If any of the papers read were more valuable than others, then we would name that by Prof. E. R. Lake, U. S. Pomologist, Dept. of Agriculture, on "How to Secure a Uniform and Correct System of Nomenclature in Nurserymen's Catalogs"; and the other, "Fitting Trees to Climate and Soil," by Henry Hicks, Westbury, L. I., N. Y.

Cropping out of the action last year at the Portland Convention, regarding uniform horticultural laws, a tentative bill was presented and a special committee was named to confer with the joint committee appointed last year to consider said bill and report back to this convention. This committee recommended that the tentative bill be referred to the joint committee and further recommended that that body redraft the bill, incorporating these features as far as possible and take measures to secure its adoption by the Association of Economic Entomologists and any other interested bodies. It is felt that the ultimate adoption of this bill will not only strengthen and foster the interests of nurserymen, but also of fruit growers and all allied horticultural interests.

As stated in our notes last week, Secretary John Hall asked the Association to accept his resignation, which was reluctantly accepted and complimentary resolutions passed. Subsequently, after prolonged discussion, the selection of secretary was placed in the hands of the executive committee, and the present secretary consented to continue till his successor is appointed. It is generally believed that after the executive committee have held a conference with him, no change will take place. It would be very difficult for the Association to replace Mr. Hall. The date of 1915 meeting is to be determined by referendum conducted by the secretary.

PITTSBURGH FLORISTS' & GARDENERS' CLUB.

An interesting little meeting at the Fort Pitt Hotel on the night of July

7th, marked the close of the business sessions of the Pittsburgh Florists' and Gardeners' Club until September. It was the sense of the club that at the September meeting the secretary should present a list of the delinquent members and amounts delinquent for the action of the club in open meeting. There were quite a number of exhibits, and the president appointed as judging committee Messrs. Jno. W. Jones and Robert Lilley, who awarded to T. J. Malcomson, gardener for A. R. Peacock, a cultural certificate for two baskets of achimenes. Jno. Costoff, gardener for Wm. Flinn, brought double hollylocks.

G. Wessenaer of Sewickley brought *Asclepias tuberosa* and there was considerable talk among the members as to why this pleasing flower was not taken into cultivation in this vicinity and grown more largely for market. H. C. Knauff of North Side, Pittsburgh, showed roses Conrad Ferdinand Meyer, Alister Stella Gray and Gloire de Dijon. Mr. Knauff said that with a little protection he had no trouble in bringing the latter through our winters, and he was very much pleased with its flowering. The president displayed some interesting centaureas and rudbeckia.

The matter of attending the convention of the Society of American Florists at Boston in August was brought up, and especially the going by way of Baltimore and via the Merchants & Miners Transportation Co.'s Steamship Line. Apparently not a large number of florists from Pittsburgh will attend the convention in Boston, but those who are going spoke favorably of the steamboat trip, and were advised to get in touch as promptly as possible with Robert Hunter, Agent Merchants & Miners Transportation Co., Bessemer Building, Pittsburgh, and make their reservations of state-rooms, or they will be too late. It is not necessary to make the round trip by steamboat; any so desiring can return from Boston by rail.

In accordance with the usual custom there will be no club meeting until the first Tuesday in September.

H. P. JOSLIN, Sec'y.

AMERICAN GLADIOLUS SOCIETY.

Preliminary schedule of prizes for the annual exhibition of gladiolus blooms to be held at Boston, Mass., August 18-19-20, 1914.

OPEN CLASS

Vaughan's Seed Store—\$10.00 for best 25 spikes Gladiolus Mrs. Francis King; Vaughan silver medal, best 25 spikes Chicago White; \$5.00 for best 25 blooms Vaughan's new *Primulinus* Sunbeam.

E. E. Stewart—\$5.00, 12 spikes Black Beauty; \$5.00, 12 spikes Golden Queen; \$5.00, 12 spikes Lucille; \$5.00, 12 spikes Michigan.

W. E. Fryer—\$5.00, 6 spikes Mrs. W. E. Fryer.

T. A. Havemeyer—\$10.00, 6 spikes White; \$10.00, 6 spikes Pink or shades of Pink; \$10.00, 6 spikes Yellow; \$10.00, 6 spikes Blue or Lavender; \$10.00, 6 spikes Red or shades of Red; \$10.00, 6 spikes any other color.

W. Atlee Burpee & Co.—\$10.00, collection, ten varieties, 6 spikes each.

H. W. Koerner—\$5.00, 12 spikes American Wonder; \$5.00, 12 spikes Twilight Chief; \$5.00, 12 spikes American Giant.

Jacob Thomann & Sons—\$5.00, 25 spikes any white variety.

Montague Chamberlain—\$10.00, White seedling, 3 spikes; \$10.00, Yellow seedling, 3 spikes; \$10.00, Pink seedling, 3 spikes.

Matthew Crawford—50 bulbs of White Lady, for best red variety never before exhibited.

A. H. Austin Co.—\$5.00, gladiolus corsage bouquet. Other flowers or green may be used.

Bidwell & Forbes—Silver medal for best vase 25 spikes Niagara; do. for Panama.

AMATEUR OR GARDENERS' CLASS

John Lewis Childs—\$10.00, first prize, \$5.00, second, for ten vases Gladiolus Childs named varieties.

H. W. Koerner—\$5.00, 12 spikes American Wonder; \$5.00, 12 spikes Twilight Chief; \$5.00, 12 spikes American Giant.

Knight & Struck Co.—\$3.00, first prize, \$2.00, second, for 3 spikes Mrs. Frank Pendleton; \$3.00, first, \$2.00, second, for 3 spikes Badenia.

"The Modern Gladiolus Grower"—Silver cup valued at \$15, for largest and best display of mixed and named varieties, to contain at least six named varieties, correctly labeled, 3 spikes each.

Jacob Thomann & Sons—\$5.00, 3 spikes of any white variety.

L. Merton Gage—\$5.00, vase of 10 varieties, one spike each.

G. D. Black—60 bulbs Golden King, vase of yellow varieties.

American Gladiolus Society—Silver medal and bronze medal, best exhibit of at least fifteen varieties, 3 spikes each, correctly labeled.

L. MERTON GAGE, Sec.

FLORISTS' CLUB OF PHILADELPHIA.

The July meeting of the Philadelphia Club was taken up mainly with a discussion of the various routes to the convention in August. Sentiment was very much divided but it was finally decided to go by Reading R. R. and Metropolitan steamship line. This did not meet the views of the transportation committee, so they resigned, and Leo Niessen was appointed chairman of a new transportation committee with power to add. The picnic committee reported a surplus of \$58 from the Schuetzen Park outing. This was passed to a special fund for the benefit of next year's picnic.

CLUB AND SOCIETY NOTES.

The Chicago Flower Growers' Association held their annual election, Monday, July 6th. The old officers were re-elected and Rudolph Ellsworth added to the board of directors.

The annual meeting of the Cincinnati Florists' Society will be held on Monday, July 13th, at the club rooms. The annual election of officers for the ensuing year will be held.

A special Rose Night was held by the New London Horticultural Society on Wednesday, July 1. The tables were crowded with flowers from the local gardens and a large display was sent by A. N. Pierson, Inc., Cromwell. The speaker was Alex Cumming, Jr., who gave a most interesting talk on the different varieties and treatment of them. The attendance was all anybody could expect as the night turned out wet, but it showed the enthusiasm of the flower lovers. The next meeting is Sweet Pea Night. H. L.

CONVENTION CITY NOTES.

Intending visitors to the Boston S. A. F. Convention are advised that there are three hotels in Boston bearing somewhat similar names and care should be exercised in making reservations, as otherwise there are liable to be misunderstandings.

"The Copley-Plaza" (headquarters) is located at the corner of St. James and Dartmouth streets; "The Copley Square" is 49 Huntington avenue; "The Plaza" is on Columbus avenue, near Dartmouth.

These hotels are all in the same neighborhood, near the Convention Hall.

PATRICK WELCH,
Chairman Hotel Committee.

Our cover illustration depicts a view in Boston Public Garden, a famous spot which, no doubt, all the Convention visitors will want to see. This is the first of quite a series of views of horticultural interest in and around Boston which we shall present from now on until Convention time. We should be glad, however, if everyone who reads these lines could come in person on this important occasion and see for themselves the instructive examples of advanced horticultural art which these pictures so inadequately portray. There is no section of our great country so rich in horticultural achievement as the territory surrounding the metropolis of New England.

GERANIUM HELEN MICHELL.



The accompanying picture shows a 4-inch pot plant of this promising new zonal pelargonium, grown by Wm. Robertson, gard. to Mr. J. W. Pepper, Jenkinstown, Pa.

As recorded in our notes of the American Sweet Pea Society's exhibition last week, Mr. Robertson was the

winner of the first prize offered by H. F. Michell Co., for exhibit of this geranium, \$50 in gold. The plant which won first prize had 16 flower trusses on it, a remarkable number for a plant in 4-inch pot. This novelty is well thought of wherever it has been shown.

PANAMA-PACIFIC HORTICULTURAL EXHIBITS.

William Plumb, who has been industriously canvassing the growers in the eastern section of the country, reports a gratifying interest displayed in this great event and has assurances of support and fine contributions by many leading concerns. But the time is now short and there are many who, with best of intentions, yet are dilatory in signing up for their space, being in most cases too busy, thus far, to attend to it. Now that the slack time has come, the first duty of all is to get in communication with Mr. Plumb and have these preliminaries duly attended to. Communications addressed to him at 53 W. 28 street, New York, will reach him promptly.

The State of Massachusetts through Secretary Wilfred Wheeler of the State Board of Agriculture has secured for its out door horticultural exhibit one of the most eligible locations in the Panama-Pacific grounds, comprising an area of over 21,000 sq. ft. R. & J. Farquhar & Co., of Boston, will be among the large individual exhibitors from the extreme east.

A GERANIUM TEST.

We note in the Missouri Botanical Garden Bulletin for June the interesting statement that there are being tested out during the present summer in the garden trial beds no less than 367 recently purchased varieties of geraniums. A complete list of these varieties is given. It is hoped that in this large number of varieties some will prove to be valuable additions to the, at present, small list of varieties generally planted.

SYRACUSE ROSE SHOW.

The recent Rose Show held in Syracuse breaks all previous records for attendance, interest and merit of exhibit. Imagine over two hundred varieties of the queen of flowers skillfully staged. They made the spacious hall a bower of beauty and fragrance. Mr. Robert Pyle, Vice-President of the American Rose Society gave a beautifully illustrated address the first night of the show on "Famous Rose Gardens I Have Visited." Two successive years Mr. Pyle has delivered the annual address and acted as judge. This society has in four years grown to have an active membership of nearly three hundred. James M. Gilbert took first honors in winning the silver medal offered by the American Rose Society for the best exhibit. Every village of any considerable size, except one, within thirty miles of Syracuse, has members in this organization. Through the inspiration of this society hundreds of new rose gardens have sprung up, and many already in existence have been greatly enlarged and improved. Among the direct results of the work of the year Syracuse is to have a Municipal Rose Garden, and Syracuse University is planning for a rose garden which will probably be located in front of the Carnegie University Library Building.—Extract from *Northern Christian Advocate*.

A CORRECTION.

We are apprised that an error crept into our list of prize awards by the Sweet Pea Society, in our issue of last week. The American Sweet Pea Society offered a gold medal for the largest and most meritorious exhibit and this medal was awarded to W. Atlee Burpee & Co. The gold medal awarded to A. T. Boddington was a special, as an appreciation of his artistic arrangement.

Red Bank, N. J.—Edgar A. Slote of Middletown has been appointed director in charge of the horticultural department of the Monmouth county fair. Mr. Slote has selected five experienced flower growers outside of New Jersey to act as judges. These are W. H. Waite, superintendent of the Grey-stone estate at Yonkers; John F. Johnston, Pratt estate at Glen Cove; Thomas W. Logan, Crosswicks farms, Jenkintown, Pa.; Alexander McKenzie, Cragston estate, Highland Falls, N. Y.; and George Middletown, Rockwood Hall, Tarrytown, N. Y. These will also act as judges in the exhibits of vegetables made by professional gardeners. A new feature in the vegetable department this year will be an open class for collections of twelve varieties of vegetables, arranged for effect, and occupying a space of 3x6 feet.

THE REASON FOR CHEAP GARDENERS.

Editor of HORTICULTURE:

Dear Sir:—While Mr. Watson has been breaking a lance with the secretary of the N. A. G. respecting the merits and demerits of the aims and objects of that organization, some of the younger school have been looking on and, like the young rooster, would like to try a hand a-crowing now that the old ones are through, or apparently so. So we beg to be allowed to set forth our views as one who is working in the ranks of assistant gardeners and therefore able to bear the trend of feeling in that direction. The desire of most persons who enter gardening is to get to the top, and that as soon as possible. So should it be; but there is one very important factor which many seem to overlook. "Will I be competent to hold a job and can I give results that would reflect credit upon the profession to which I belong?" is a thought that occurs to a very small percentage. The fact that a man has worked as assistant for fifteen years, or that he is thirty years old next birthday, does not make him a competent gardener any more than because he can run a greenhouse satisfactory he can also manage an estate. Another thing that is responsible for inefficiency among gardeners is that as soon as a young man enters the business he wants a job in the "houses" so as to be steady, and no attention whatever is paid to the outdoor branches of the work once he has started to pull weeds out of the benches and scrub the walks. Furthermore, there are some in our ranks who have had a limited experience in more than one branch of the art, and who do think they are fully equipped for the many duties that devolve upon the real gardener.

A short time ago we read in a well known trade paper an advertisement something like this:

"WANTED Situation as Head Gardener or Superintendent on gentleman's country estate. Life experience in all branches of horticulture. First-class references. Age 23."

Comment is needless, but this serves to show that some who enter the profession think it can be learned in a very short time. Fifteen years seems a long time to put in before one becomes a competent gardener, but many of our best men put in all that and some more before they got out on their own hook, and they undoubtedly did a good deal of private study on subjects which are side issues so far as gardening itself is concerned, but which, nevertheless, are indispensable in the management of a country estate. The moral of all this is that there are too many "neglected opportunities" amongst the raw material from which the estate manager is recruited or should be recruited. After many of us have neglected our opportunities we become restless and dissatisfied and determine to start out for ourselves. A place turns up, and there are others like us who feel the same way, but there is the determination to have the job at even \$5.00, so on goes the price-cutting until the poor fellow has succeeded in persuading himself that he has at last made his mark and the employer deluded into believing that

he has engaged the services of a competent man at low water rates.

The fact that such methods are resorted to needs only the evidence of the men who hold such low priced jobs and who, as Mr. Smith says, are only too well paid. These same men when they were assistants would have refused a place which would have afforded them a wide and useful field of experience if the wages were not at least \$5 per month more than they had in the previous place. So again we have to admit that as assistants we prefer wages to knowledge and experience. In Europe it is quite the custom to sacrifice wages to get to a place that has a reputation; in fact, to the British journeyman gardener, wages are a secondary consideration. Hence the success of the British gardener.

In conclusion we want to say to Mr. Watson that we believe that the cause of low wages is incompetent gardeners, who have only themselves to blame for their incompetence. We believe, however, that there is some good old stuff among the boys yet, and, like many of our bosses, we only want a little encouragement and credit where it is due, to help us along, and we are prepared to listen, too—at least some of us.

AN ASSISTANT

"THE HAPPY GARDENER."

Reply to Alexander MacLellan's poem.

George Watson strolled across his store,
Among implements and seeds galore,
Took from the rack a garden spade
Said he, "The lad who man's this tool,
No slave is he to Union rule,
He graduates from nature's school,
He's happy, healthy and well-paid."

A Newport bard, who read G's prose,
Strayed where the ocean ebbs and flows
Twice daily at command of time
The rolling waves leapt to inspire,
And filled his poetic soul with fire,
As on the beach he tuned his lyre,
And there set George's prose to rhyme.

He told how gardeners held the keys,
To all the flowers and shrub trees,
That with our craft, naught was amiss;
That gardening was a work of love
And quoted George, this fact to prove,
To better things. Why should we move?
Our calling was a perfect bliss.

Oh! lustrious poet, cease thy muse,
Go look around, and don't confuse
Thy poetic picture's not the stuff,
Come take from us those wondrous keys
And look all parts beyond our seas,
Stop inexperienced gardeners, please,
From our shores; here we've enough.

Why waste thy sympathy on wealth
Who trots the globe, for joy or health,
While oft the gardener is dismissed,
Perhaps the brother's old and gray,
As to seed-stores he winds his way,
Behold! this picture of dismay,
Oh! poet, say not, our calling's blest.

DAVID S. MILLER.

Tuxedo, N. Y.

Avon, Mass.—Embert F. Oliver florist, has just won a suit in the court at Brockton against a local heating concern for failure of the apparatus in his greenhouses to furnish adequate heat according to their guarantee. The place froze up twice during the cold spell last winter but the defendants repeatedly refused to make any reparation, hence the suit. The jury awarded Mr. Oliver \$1496.22 to cover value of frozen plants and cost of putting the heating outfit in proper condition.

HARDY MAGNOLIAS.

Extract from Bulletin No. 58 of the Arnold Arboretum.

Magnolia glauca of the Atlantic coast region from Massachusetts to Florida blooms in early June. No small tree is a more delightful inhabitant of the garden, where it is an object of beauty throughout the year with its bright green branches in winter and its beautiful leaves which are dark green and very lustrous above and silvery white below, and which remain on the branches at the north without change of color until the beginning of winter and in the south till early spring. The small, creamy white, cup-shaped flowers continue to open during many weeks, and especially in the evening fill the air with their delicate pungent odor; they are followed by the cone-shaped fruits which are common to all *Magnolias* and are showy when the scarlet seeds hang from them on slender threads. Every one with a garden who makes the acquaintance of this plant wants to grow it; it is easily raised from seed, and at the end of three or four years' seedling plants are of saleable size. In spite of the demand for it, which would increase if plants could be had, it is almost impossible to find this *Magnolia* in American nurseries. *Magnolia Thompsoniana* is also in good bloom. This is a hybrid raised in England many years ago between *M. glauca* and the American Umbrella-tree, *M. tripetala*. It has leaves like the leaves of *M. glauca*, which it also resembles in the perfume of the cup-shaped pure white flowers intermediate in size between those of its parents. Unlike many hybrids which are usually harder and more vigorous than their parents, *M. Thompsoniana* is less hardy than either *M. glauca* or *M. tripetala*, and sometimes has been killed to the ground in severe winters. The latest of the *Magnolias* is *M. macrophylla*. This handsome tree is interesting for it has larger leaves and larger flowers than any other plant of the northern hemisphere beyond the tropics. A native of the south from North Carolina to Louisiana, it is perfectly hardy here; it is best planted, however, in sheltered positions as the leaves are easily torn and disfigured by the wind.

On the Administration Building is a fine plant of the Japanese climbing *Hydrangea* (*H. petiolaris*). In the country this plant is usually seen climbing up the trunks and spreading over the branches of trees, but it has been found capable of attaching its stems firmly to brick-work and therefore to be useful in covering walls and buildings. The bright green foliage makes a handsome contrast with the broad heads of flowers which are surrounded by a row of neutral ray flowers of medium size. Two early flowering shrubby *Hydrangeas* are *H. Bretschneideri* from northern China and its variety *setchuensis* from western China. The former is an old inhabitant of the Arboretum and is a tall, free-flowering shrub well worth a place in all collections. The variety which is less well known appears to be perfectly hardy and equally free-flowering.

HYDRANGEA OTAKSA

EXTRA LARGE SPECIMENS FOR JULY AND AUGUST FLOWERING

We have some of the largest, finest, and most perfect specimens of hydrangeas in half barrels that we have ever seen. Plants are just coming into bloom, and are beautiful symmetrical specimens covered with bloom, each plant having from one hundred to two hundred flowers. We have over three hundred of these fine plants in shape for immediate shipment, and every plant is a perfect specimen. There is nothing so magnificent for summer decoration as these large hydrangeas. They are very showy.

\$7.50, \$10.00 and \$15.00 each according to size and number of blooms.

WINTER-FLOWERING ROSES

If you have not secured all the stock that you can use for planting for winter-flowering, we still have a very fine stock of the following varieties, which we can offer in perfect condition, ready for immediate shipment. Stock is gilt-edged in every way extra strong, heavy plants from 1-inch pots. If you can use any, we will be glad to quote low rates. Write us the number you can use, and we will quote by return mail.

KILLARNEY Brilliant, Killarney Queen, Pink Killar-

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

ney, American Beauty, Lady Hillington, Richmond, Mrs. Chas. Russell, Mme. Cecile Brunner, or Mignon, or Sweetheart.

FERNS

There is nothing better for summer use than the fine varieties of NEPHROLEPIS. We offer a nice stock of the following varieties, well established plants ready for immediate shipment.

Nephrolepis elegantissima (The Tarrytown Fern), 3½ inch, 25c each; 6-inch, 50c each; 8-inch, \$1.00 each.

Nephrolepis magnifica, 3½ inch, 25c each.

Nephrolepis muscosa, 3½ inch, 25c each; 5-inch, \$1.00 each.

Nephrolepis Harrisii, 6-inch, 50c each; 12-inch very large plants, \$5.00 each.

Nephrolepis Bostonensis, 6-inch, 50c each; 12-inch very large plants, \$5.00 each.

Pteris Wimsetti multiceps—a fine hardy fern 3½ inch, 15c each.

Small Ferns for Fern Pans. A fine assortment, 2½-inch, \$1.00 per 100.

"WAR ON CATERPILLARS."

Editor HORTICULTURE:

In your issue of June 20, on page 898, there is an article on "War on Caterpillars." What I wish to know very much is, what preparation or method they used. If it is possible for you to state this in your next issue of HORTICULTURE, I would greatly appreciate it and also if plant vermin, such as San Jose scale, etc., are injurious to the body if taken in through the food. Hoping that you will be able to oblige me with such information, I am, and will be greatly indebted to you,

New York City. J. W.

The caterpillars particularly referred to in the article in question were the "tent caterpillars" mainly. The method of destroying them in June is to collect the webs in which the caterpillars congregate and burn them. Early in the spring, before the caterpillars are hatched out the rings of eggs are collected and burned. In many places the school children are paid a bounty, so much per hundred rings, and the number collected and destroyed is astonishing, to say the least.

For the brown tail moth, which makes its web nest in the fall the usual method is to collect the nests in the winter, when after the leaves have fallen they are very conspicuous, resembling cotton bolls at a distance. For the gypsy moth, creosoting the egg masses during the winter is commonly practiced. Finally, for all caterpillars, spraying the infested trees with arsenate of lead while the caterpillars are young is a well known and very efficient means of control.

We have never heard of San Jose scale hurting anyone when eaten on fruit. Probably most of us have unwittingly eaten lots of them.

MUSHROOM COVERING.

To the Editor of HORTICULTURE.

I should esteem it a favor if some grower could inform me, if after covering a mushroom bed with straw, I should leave it on the bed till the crop is finished or do I take it off before the mushrooms appear.

Yours truly,

A SUBSCRIBER.

If "Subscriber" has a crop of mushrooms due to come in now, it is the very worst time of the year to attempt it. As to the removal or retention of the straw covering, much depends on its kind and its depth. If long rough straw or heavily put on it should be removed as soon as the first growths appear. If it was very finely cut up and is not more than an inch or so in thickness, the mushrooms will find their way through it nicely and it may be left on.

NOTEWORTHY CARNATIONS.

Among the carnation growers sending blooms to Boston, G. Thommen, manager for Backer & Co., Billerica, Mass., has no superior in the quality and quantity of product, as is well known to the local trade. Mr. Thommen was cutting fine flowers last October, and the same plants are still a serried forest of buds and bloom on straight stems three to four feet tall—a most remarkable sight, the only noticeable difference as compared with the winter crop being that the July flowers are not quite so large. The color is extra good and keeping qualities excellent. The record for the season on such varieties as White Perfection, White Wonder, Winsor, Ben ora, etc., has been fifteen to seventeen flowers per plant. At the time of our visit, Mr. Thommen was throwing out several benches of this splendid plant to make room for the young stock and it did seem wicked to tear them out. The roots were equally as indicative as the tops as to their sturdy vigor.

In reply to a query, Mr. Thommen said that the three cardinal points in successful carnation culture are absolute banishment of all insect pests from the start, constant cultivation of the soil and the proper food intelligently given. We have a new advertiser of sheep manure in this issue, in which some of Mr. Thommen's views on this material as carnation food are given. It is worth reading, and the plants at Billerica are convincing proof of what it can accomplish.

CATTLEYAS

Finest Collection in 5 Years

TRIANAE—First to Sheath, Earliest to Flower. Full formed sheath. Perfect Leads. Heavy Foliage.

MENDELII—Condition Perfect. Dormant Leads and splendid leaves.

LABIATA—Fine Plants, Semi Established. Any size. Send for prices.

FREEMAN ORCHID CO.

FALL RIVER, MASS.

ORCHIDS

Established Plants and Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

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JOSEPH HEACOCK COMPANY
WYNCOTE, P.A.

VINCA VAR.

4 in. Heavy and Long.....\$14.00 per 100
4 in. Medium Long..... 12.00 per 100
4 in. Stocky 10.00 per 100

CASH, PLEASE.

WILLIAM CAPSTICK, Auburndale, Mass.

Mention HORTICULTURE when writing.

FOR FALL DELIVERY.

GERMAN IRIS in Endless Varieties.
LILIUMS HENRYI AND TENUIFOLIUM in Endless Quantities.
Write Us for Prices.

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

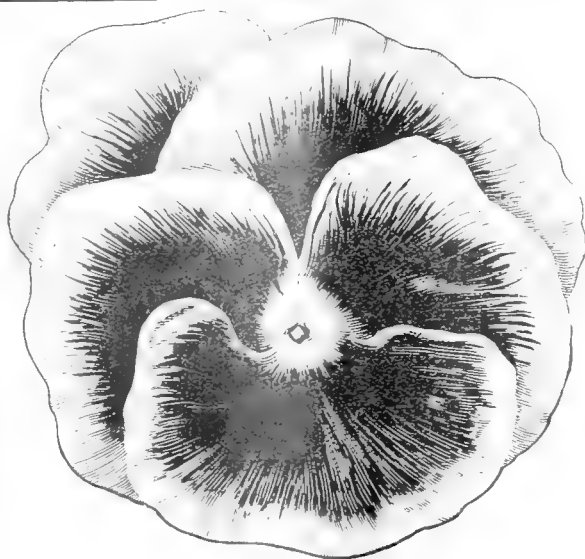
ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. **CATTLEYAS**: Percivaliana, Gaskelliana, speciosissima. **DENDROBIUMS**: Formosum, Wardianum, nobile, densiflorum, Schuitzii. **VANDAS**: Coerulea, Batemannii, Luzonica, Inschootiana. **PHALAENOPSIS**: amabilis, Schilleriana, spiloglottis plicata.

Write for Special List No. 55.
FAGER & HURRELL, Summit, N. J.

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Largest Importers, Exporters, Growers and Hybridists in the World
SANDER, St. Alban s, England
and 258 Broadway, Room 721
NEW YORK CITY



Pansies in Separate Colors

1000 Seeds	
Giant Adonis, light blue with yellowish white face, large dark blotch	\$0.25
Giant Emperor William, ultramarine blue with purple violet eye .....	.25
Giant King of the Blacks, coal black .....	.25
Giant Lord Beaconsfield, violet upper petals shading to white.....	.25
Giant Yellow, pure golden yellow..	.25
Giant Yellow with dark blotch.....	.25
Giant White, satiny white.....	.25
Giant White with large violet center .....	.25
Giant Red, a fine mixture of red shades .....	.25

1000 Seeds	
Giant, royal purple, fine large flower	\$0.25
Giant, bronze and copper mixture .....	.25
Giant, light blue, sky blue.....	.25
Giant, dark blue deep blue shades..	.25
Giant Zebra, mixed shades, striped .....	.25
Giant McKinley, yellow, each petal blotched with a deep reddish brown .....	.25
Giant Psyche, ruffled violet white margin .....	.25
Giant Mad. Perret, red and wine shades .....	.25
The preceding 17 sorts mixed in equal proportions.....	.25
Any 5 pks., \$1.00.	

The KENILWORTH GIANT PANSY

seeds are all good, self and are offered in the following mixtures and separate colors:

KENILWORTH STRAIN—The flowers are of perfect form and substance; many of the immense flowers are from 3½ to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention.

KENILWORTH SHOW—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.

KENILWORTH CUT FLOWER MIXTURE—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.

MASTERPIECE—A remarkable type; the curled, wavy petals giving the flower a double appearance, its large flowers of great substance, on long, strong stems.

ORCHID FLOWERED, Mixed—A dwarf free bloomer with a range of delicate colors that do not exist in any other pansies, a remarkable combination of light rose, shell pink, blush mauve, fawn, light brown, orange and chamois.

NEW SEED NOW READY.

1000 seeds, 25c; 5000, \$1.00; ¼-oz., \$1.25; 1 oz., \$5.00.

Rainbow is a mixture of the most beautiful, gorgeous colors; blushed, striped, veined, mottled, etc. With every \$1.00 worth of pansy seeds I will send 1000 of Rainbow free and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

OUT OF THE GINGER JAR.

(This preserve is of the Aunt Maggie brand—tang enough to make it interesting; but not so sharp as to hurt anybody's feelings.)

Wattie Dunlap was reading from the Scriptures: "And I said in my haste, all men are liars." Wattie paused, and looked over his spectacles at his congregation; said he: "That's from the Holy Book, and King Davit was one of the wisest of them all. But my friends, I just want to say this: if King Davit was living now and knew this congregation as well as I do he would not have to say it in haste—he could do it at his leisure." We are afraid there are very few Wattie Dunlaps around these days to expound the ten commandments as they ought to be expounded—so that they would apply not only to some of us but to all of us.

These days we have enough and to spare of the yellow journal Billy Sunday kind of guff and buffoonery but not near enough of the stern penetrating admonition that a Wattie Dunlap had the courage to hand to his flock.

John James Ingalls said the Decalogue had no place in modern politics. He might have gone further and said that the ten commandments have no place in politics or business or society or any other phase of modern life. The only god many seem to know is the god of Business Success. And when they reach that god they are very much surprised indeed to find that he is no god at all but a bunch of dry withered husks with no happiness or balm or success hidden within.

The great florists, nurserymen,

seedsmen and gardeners of the past generations, as you can gather from their writings and the histories of their strivings, were after a much Holier Grail than mere business success. They wanted also to walk in truth and honesty and to leave the world more beautiful than it was before or at least more comfortable. The man who is honest merely because honesty is the best policy has got but a poor grip of the meaning of the eighth commandment.

And right here we want to say that the standard of truth and honesty in the horticultural profession, as compared with other professions is very high indeed—even at the present day. We may deplore the influx of a new materialistic and immoral element within the past ten or fifteen years, but it is as nothing to what prevails in other businesses and we are proud to attest that the main body remains sound and true to principle.

But if one were to go by the actions of the legislatures of nearly every state in this union, one would think the horticulturists were all villains of the deepest dye. Wattie Dunlap was excusable because of the grim humor

but a legislative enactment is different from a pulpit exordium. Let us have no more persecution of the horticultural business.

GEORGE C. WATSON.

CATALOGUES RECEIVED.

Henry W. Turner, Montebello, Cal. Special List of Roses.

Henry Mette, Quedlinburg, Germany. —Special offer of "Unrivalled" Pansy Seeds. Beautiful colored plates of pansy flowers.

Charles J. Jager Co., Boston, Mass. —List of Deming Spray Pumps, Nozzles and Appliances, and Skinner Irrigation Supplies.

A. C. Zvolanek, Lompoc, Cal.—Sweet Pea Descriptive Catalogue and New Price List of Winter Sweet Pea Seed. A most interesting little handbook for every florist interested in the sweet pea.

San Francisco, Cal.—The nursery end of the business of C. C. Morse & Co. has been turned over to the Valance Nursery, 810 Glen avenue, Oakland. C. C. Morse & Co. will act as their agents.

More Red Devil Cutters Used Annually Than All Others Combined



"It's all in the wheel."

SMITH & HEMENWAY CO., 161 CHAMBERS ST., NEW YORK

Send 6c. for sample No. 024 and Booklet 40 styles, and understand why.

SEND FOR BOOKLET ANYHOW.

BRITISH HORTICULTURE.

American vs. British Advertising.

"American florists are as original in their advertising as they are enterprising in their trading methods," says a writer in the "Nurseryman and Seedsman." "I was not surprised to find many of the big advertising houses using considerable space in the June magazines to announce their autumn bulb sales. In most instances handsome illustrations lend effect to the flamboyant language of the announcement, and in every instance the price list is the least conspicuous part of the announcement. Wherein the American advertiser differs from most of our British advertisers, who regard the description of the article and the price of it the essential features of a properly drawn advertisement."

Rhododendron Display.

The interior of the Royal Horticultural Society's hall, London, has lately been filled with a gorgeous array of rhododendrons from the nurseries of John Waterer Sons and Crisp, Bagshot, 20,000 blooms were displayed. The firm has also held its annual display in a mammoth marquee at the Royal Botanic gardens, Regent's Park.

The Anglo-American Exposition

The grounds at this exposition are now presenting a charming appearance. Every effort has been made to make this an attractive feature to the many thousands of visitors who will flock there this season. Soon after the opening in May a very fine show of tulips was made. Some excellent groups of rhododendrons have also been arranged. Indoor roses have lent their fragrance and charm. Kelway & Sons, have added a blaze of color with their peonies. During the exposition a series of horticultural conferences will take place. Some of the British and American experts will take part. E. G. Hill, Richmond, Ind., will deal with "The Position of the Rose in America," and W. Atlee Burpee has undertaken to speak on the development of the Sweet Pea in America.

W. H. ADSETT.

FIRES.

East St. Louis, Ill.—Strinmesch Seed Co., July 2. Loss \$10,000.

Philadelphia—A disastrous fire occurred in the warehouses of the Philadelphia Seed Co. on the 6th inst. This company deals mostly in grass and clover seeds and poultry supplies. It has occupied the building at 103-5 Arch street for several years. A. C. Neal is president; J. C. Rupp, secretary, of the company. No lives were lost although there were a number of narrow escapes. The fire is said to have started by spontaneous combustion in a bin of alfalfa. Three alarms were struck and much damage was done to adjoining properties before the fire was got under control.

A good shading for glass is frequently called for. Many growers use whitewash, which comes off too easily. Others use lead and oil, which sticks too hard. Kalsomine is recommended as a happy medium. It will withstand heavy rain, but will gradually come off so that by fall very little is left to be removed.



BODDINGTON'S QUALITY FLOWER SEEDS

SELECTED SEEDS SUCCESSFULLY SOWN SECURE SURE, SAFE AND SERVICEABLE SATISFACTION

It has been, is, and always will be our policy and intention to disseminate only the very choicest strains of flowering seeds (or any other varieties of seeds), giving special attention to the class known as Florists' Seeds, and intending customers need have no hesitation in buying or fear of disappointment when they bloom. No expense has been spared to secure the finest types as to habit of plant, form of flower, color and breeding of our Quality strains of Primula, Cineraria, Cyclamen, Calceolaria, etc.

ASPARAGUS

PLUMOSUS NANUS. True greenhouse grown. 50 cts. per 100 seeds; \$1.00 for 250 seeds; \$3.50 per 1000 seeds.

PLUMOSUS NANUS. California grown. 50 cts. per 100 seeds; 75 cts. for 250 seeds; \$2.50 per 1000 seeds.

SPRENGERI. 25 cts. for 250 seeds; 75 cts. per 1000 seeds; \$3.00 for 5000 seeds.

CALCEOLARIA HYBRIDA

BODDINGTON'S PERFECTION. The herbaceous Calceolaria is an easily cultivated plant. So long as frost is excluded from the plants in Winter they are perfectly safe, and to attempt to hasten growth at any time is a failure. July is the best month for sowing the seed. The great advance made in the habit of the strains offered is remarkable, whilst in the colors there is a marked improvement. Saved by England's most famous specialists. Monster flowers of rich and varied colors, including spotted, laced, blotched and self-colored varieties. ½ pkt., 60 cts.; pkt., \$1.00.

Boddington's Matchless CINERARIAS

BODDINGTON'S MATCHLESS CINERARIA. A combination of the three most famous English strains, which we can recommend to those wishing to grow the best. Tall, ½ trade pkt., 60 cts.; trade pkt., \$1.00. Dwarf, ½ trade pkt., 60 cts.; trade pkt., \$1.00. CINERARIA STELLATA (Star-flowering Cineraria). Tall growing, 4 to 5 feet; excellent as a single specimen for table decoration, or for grouping with splendid effect in corridors and conservatories. ½ trade pkt., 60 cts.; trade pkt., \$1.00.

CANDYTUFT (Iberis) H. A.

BODDINGTON'S GIANT HYACINTH-FLOWERED. Large, pure white, spiral spikes. The finest variety for growing under glass. Trade pkt., 35 cts.; oz., \$2.00.

MIGNONETTE H. A.

BODDINGTON'S MAJESTY. The finest of all the fancy varieties of Mignonette; an improvement on Allen's Defiance. Seed saved from select spikes under glass. Trade pkt., 60 cts.; ¼ oz., \$1.00; oz., \$7.50.

BODDINGTON'S POT MYOSOTIS

Forget-Me-Nots are delightful subjects for flowering indoors at Christmas time, and as they are everywhere welcome, the practice of growing plants in pots is rapidly increasing. Sown in July and potted on, the strain we offer produces fine, free-growing specimen plants. Trade pkt., 50 cts.; 3 pkts. for \$1.25.

SCHIZANTHUS (Butterfly Flower) H. A. 1½ ft.

Elegant, free-flowering, hardy annuals for the garden in Summer or for pot culture in the greenhouse during Winter.

GRANDIFLORUS BODDINGTONII. Boddington's Select Hybrids. The strain is superior to any of the Schizanthus in cultivation, the flowers are better shaped and the colors are more varied. In habit the plants are very bushy, and the flowers are invaluable for cutting; as a pot plant for conservatory decoration, they are unequalled. Trade pkt., 75 cts.

WISETONENSIS. The colors are varied, ranging from white with yellow center to pink with brown center. Most useful as a Winter plant, and should be given a place in every greenhouse. Trade pkt., 50 cts.

Boddington's Matchless GIANT PRIMULAS

PRIMULA SINENSIS

Boddington's Matchless Giant Primulas, Mixed. This selection includes all the finest Giant Single Primulas of the plain-leaved class. ½ trade pkt., 60 cts.; trade pkt., \$1.00. Boddington's Matchless Giant Pure White; Boddington's Matchless Giant Blush White; Boddington's Matchless Giant Orange King, a delightful novelty, almost orange; Boddington's Matchless Giant Rose; Boddington's Matchless Giant Scarlet; Boddington's Matchless Giant Royal Blue.

Each, ½ trade pkt., 60 cts.; trade pkt., \$1.00. Collection of the above 6 varieties, ½ trade pkt., each, for \$3.50.

The Duchess. The large, pure white flower, with its unique zone of bright, rosy carmine, surrounding a clear yellow eye, is simply unapproachable in its beauty. ½ trade pkt., 60 cts.; trade pkt., \$1.00.

Sutton's Coral Pink. The name describes it; habit dwarf and compact; flowers thrown well above foliage. Pkt., \$1.00.

PRIMULA OBCONICA GIGANTEA

Primula obconica gigantea Kermesina. Beautiful, deep crimson.
Primula obconica gigantea alba. The pure white flowers greatly enhance the beauty of the existing lilac, rose and crimson shades.
Primula obconica gigantea lilacina. Beautiful lilac.
Primula obconica gigantea rosea. Lovely rose.
Primula obconica gigantea grandiflora. Mixed varieties, pure white to deep crimson.

Each of above, ½ pkt., 30 cts.; pkt., 50 cts.

PRIMULA floribunda grandiflora (Buttercup). Small yellow flowers, borne in great profusion; fine for pots. Pkt., 50 cts. Forbesii (Baby Primrose). Pkt., 25 cts.

PRIMULA KEWENSIS (Giant Buttercup). This plant is a strong grower, with bright green leaves and numerous erect flower-scapes, 10 to 18 inches in height, producing flowers in whorls at intervals along their whole length. The flowers are fragrant, bright yellow in color, with a slender tube and spreading limb nearly an inch in diameter. As a Winter-flowering decorative plant it is an acquisition; very floriferous when in a small state. ½ trade pkt., 60 cts.; pkt., \$1.00.

PRIMULA FIMBRIATA, GIANT QUEEN ALEXANDRA. G. P. The largest white Primula Sinensis, blooms measuring 2½ inches across. Petals very solid and erect. Robust foliage with red stems. ½ pkt., 60 cts.; trade pkt., \$1.00.

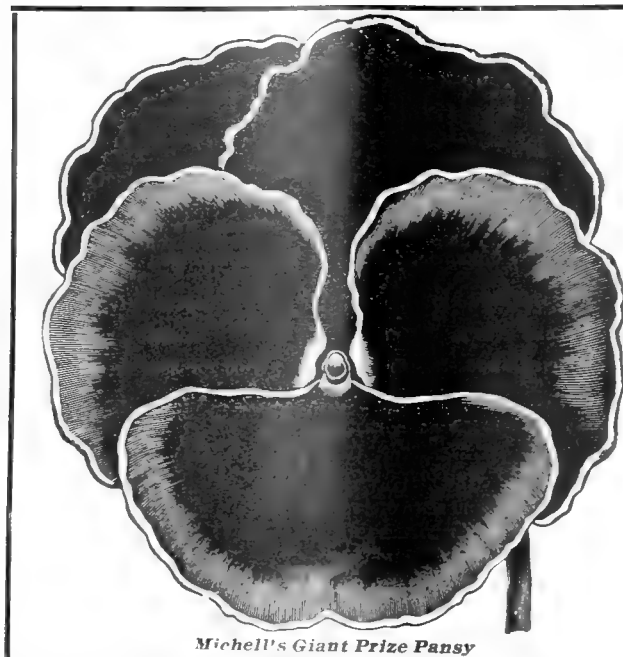
PRIMULA, NEW HYBRID QUEEN OF ROSES. A lovely new hybrid of P. obconica and P. stellata, producing shapely heads of large and beautiful, bright rose-colored flowers, remaining decorative for a long time. 1 foot. Trade pkt., \$1.00; ½ pkt., 60 cts.

PRIMULA MALACOIDES. H. H. P. (The Giant Baby Primrose.) The plants branch very freely. The flowers, which are ¾ inch wide, are of a pretty light lilac, and are borne in whorls on long stems. If grown in a greenhouse, can be had in bloom in four months after sowing. Trade pkt., 50 cts.; 3 pkts. for \$1.25.

PRIMULA MALACOIDES ALBA. The white prototype of the foregoing variety, and a great acquisition; very chaste and beautiful as a plant or cut flower. Trade pkt., 50 cts.; 3 pkts. for \$1.25.

ARTHUR T. BODDINGTON, Seedsman 342 West 14th St. New York City





Mitchell's Giant Prize Pansy

New Crop MICHELL'S New Crop GIANT PANSY SEED

GIANT EXHIBITION MINED. A Giant Strain which for size of bloom, heavy texture and varied colors and shades cannot be surpassed. Half trade packet, 30c.; trade packet, 50c.; 1/2 oz., 75c.; per oz., \$5.00.

GIANT PRIZE AZURE BLUE.
GIANT PRIZE BLACK BLUE.
GIANT PRIZE EMPEROR WILLIAM. Blue.
GIANT PRIZE HORTENSIA RED.
GIANT PRIZE KING OF THE BLACKS.
GIANT PRIZE LORD BEACONSFIELD. Purple Violet.
GIANT PRIZE PEACOCK. Blue, Claret and White.
GIANT PRIZE SNOW QUEEN. Pure White.
GIANT PRIZE STRIPED AND MOTTELED.
GIANT PRIZE WHITE WITH EYE.
GIANT PRIZE PURE YELLOW.
GIANT PRIZE YELLOW WITH EYE.

Also all other Seasonable Seeds and Supplies which are Described in our Wholesale Catalogue and Price List. Send for one if you haven't received it.

HENRY F. MICHELL CO.
518 Market St., PHILA., PA.

SEED TRADE

The Pea Outlook.

Crop news is now the most important item of seed trade notes, yet it is a very uncertain and more or less unreliable factor. Crops are for the most part at a stage where no forecast at this date is of any particular value. Among leading items, peas are probably the nearest to a state of development giving promise of ultimate results. As a whole conditions are only fairly good. There have been several frosts in Montana and Idaho which have caused more or less damage, the extent of which cannot be ascertained at once, and perhaps not until after harvest. In Canada conditions are described by one of the leading Canadian growers as "not any too good." About the same description would apply to Michigan and Wisconsin. The above applies to seed peas, but the canners are not having any bumper crops this year. No seed peas being grown in Delaware, Maryland, Ohio or Indiana, we may dismiss them all with the statement that the pack of canned peas has been light, ranging from 40 to 60 per cent. of what was expected from the acreage planted. In Wisconsin and New York, early peas (Alaska) are running about three-fourths of an average, but "sweet" or "late" peas are expected to give better results. It is about the same in Michigan, and in all three states the quality is said to be excellent—a larger percentage of fancy stock than usual. This is a highly gratifying fact, as the market never has been congested on fancy canned peas, and we may add seldom on any fancy canned goods. Summarizing the general situation, it may be said that on the basis of present estimates, the total pack of canned peas will be smaller than last year, and of better quality, while the crop of seed peas will be relatively smaller on a greatly reduced acreage, but doubtless sufficient to go around. It is too early for any reliable forecast of beans or corn, while we have had no occasion to re-

visit our estimates of the general situation on small seeds as published two weeks ago.

New York in 1915.

A rumor reached us that New York City has been selected as the place for holding the 1915 convention of the National Canners' Association and Allied Industries, and that exhibits of the Canning Machinery and Supplies Association are to be staged at the Grand Central Palace. While our information is not official, we believe it to be correct.

Agricultural Department's Seed Imports.

The United States Government each year distributes by order of Congress, enormous quantities of seeds throughout the United States free of cost.

The orders given are sometimes very large, as may be judged from the fact that Messrs. Kelway and Son, Wholesale Seed Growers and Merchants of Langport, Somerset (who have for some years been amongst the successful competitors for a portion of this order), have this year received from the United States Government from Washington, an order for flower seeds and vegetable seeds alone totalling in weight nearly 44 tons.

This is probably one of the largest orders for flower and vegetable seeds ever received by one firm from one customer, as it is not composed, even in part, of agricultural seeds or of large seeds such as peas and beans. Many hundreds of acres must have been under cultivation for the production of the weight in question. How large an area such an enormous quantity of seeds would sow seems almost past human computation.

Of the four other European firms who (in addition to the Langport firm) are this year favored by the United States Government with their order for seeds, one is English, two French and one Dutch.—*Horticultural Trade Journal, London.*

Notes.

Kansas City, Mo.—The Rudy-Patrick Seed Company has leased from the

Western Grocer Company the building at Ninth and Santa Fe streets, containing about 80,000 sq. ft.

Schenectady, N. Y.—The Empire Seed Company has leased the large new store at No. 144 Clinton street, four doors north of State street, and will about the 15th of next month open a large wholesale and retail seed and poultry supply house, catering to the needs of poultrymen, farmers and gardeners. Harry J. Fuller, secretary of the Schenectady Poultry Fanciers' Association, will be general salesman of the poultry department. Harry N. Stevens, with 20 years' experience in the seed business with T. Low Barhydt and later with Charles W. Witbeck, will be connected with the new concern, as will also C. D. Filkins, an experienced seedsman.

John W. Coy, who has been visiting this country in the interests of Charles Sharpe & Co., Ltd., Sleaford, England, sailed for home on the Mauretania, July 7.

40,000 Pot-Grown Strawberry Plants

are ready to ship right now pot plants of "Amorosa" the best bearing strawberry.

Special price of \$1.50 per hundred for quick orders.

Orders will bear this fact if pot plants are set before the middle of August. Mention this ad. for the special price.

WEEBER & DON, Seed Merchants
114H Chambers St., New York, N. Y.

CELERY PLANTS! CELERY PLANTS!

Fine Celery Plants Golden Self Blanching Giant Pascal, White Plume, White Queen, Golden Heart. All other Vegetable Plants, Asparagus Roots and Privet, Late Cabbage Plants.

WARREN SHINN
WOODBURY, N. J.

NEW and RARE PLANTS FROM CHINA

It is not too late to order these recent introductions as we have nearly all of the varieties pot-grown for planting now.

Catalogue with complete descriptions on request

R. & J. FARQUHAR & CO.

6 South Market Street, - - Boston, Mass.

STRAWBERRY PLANTS

POT GROWN

New and Standard Varieties. Ready for Shipment June 15th

Write for our midsummer Price List mailed free

BURNETT BROS.

SEEDSMEN

98 Chambers St., NEW YORK

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.

ASTERS—All varieties.

VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St.
STAMFORD, CONN.

JAMES VICK'S SONS

SEEDSMEN

ROCHESTER, NEW YORK

"FLORISTS' SEEDS"

Write for import prices on bulbs.

VEGETABLE PLANTS

CABBAGE—Jersey & Chas. Wakefield, All Head, Early & Late Flat Dutch, and other varieties at 20c. per 100; 75c. for 500; \$1.00 per 1000; 10.00 and over at 5c. per 1000.

LETTUCE—Grand Rapids, Boston Market & Big Boston, 20c. per 100; 75c. for 500; \$1.00 per 1000. Cash with Order.

R. VINCENT, JR. & SONS CO.
White Marsh, Md.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK

Lompoc, Cal.

J. W. Edmundson, Mgr. M. W. Williams, Sec'y
California Seed Growers Association, Inc.

Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

NEW CROP SEEDS

FOR FLORISTS

Ask for 1914 Catalogues

Joseph Breck & Sons Corp.

Seedsman

47-54 No. Market St., BOSTON, MASS.

ORDERS SOLICITED
The Lily Without a Peer
MEYER'S T BRAND

Formosums GIGANTEUMS Multiflorum
CORP. OF CHAS. F. MEYER
99 Warren St., New York

All Seeds and Bulbs sold by Thorburn are always of the very highest quality and true to name.

ASPARAGUS

Plumosus Nanus
Per 1,000
1,000 \$2.00
5,000 1.75
10,000 1.65

TUBEROSES

Dwarf Double Pearl
Extra large size
\$7.50 per 1000

J. M. Thorburn & Co

"The most reliable seeds"

53 Barclay St.

NEW YORK, N. Y.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

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BALTIMORE, MD.

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.

166 Chamber of Commerce Bldg.
Boston, Mass.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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and ORANGE, CONN.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
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1415 Farnum St.,

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CLEVELAND

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Will take good care of your orders

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CHICAGO, ILL.

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We ship to all points in Illinois and Iowa.

Phones: Aldine 880 Aldine 881 Aldine 882.

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Kansas City, Mo.

913 Grand Ave.

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All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

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Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2189
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"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Plymouth, Mass.—S. M. Baker has
bought the florist business formerly
conducted by B. W. Gooding on Chil-
ton street.

Malden, Mass.—The flower store of
J. Walsh & Son was burglarized a few
days ago. Loss trifling. Burglars
were caught later and proved to be
boys 7 and 9 years of age.

Mattapoisett, Mass.—Mr. Wilcox, the
florist, is taking the place of his
cousin, Mr. Price, for two weeks, as
gardener for Mrs. F. G. Curtis, while
Mr. Price is away to be married and
enjoy a vacation.—*Waltham Courier.*

(Is this "affiliation" or just simple
"co-operation?"—*Ed.*)

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow. July 17

American.

Philadelphia, N. Y.-Shampton. July 17
New York, N. Y.-Shampton. July 21

Atlantic Transport.

Minnetonka, N. Y.-London. July 18
Minneapolis, N. Y.-London. July 25

Cunard.

Aquitania, N. Y.-Liverpool. July 21
Laconia, Boston-Liverpool. July 21
Lusitania, N. Y.-Liverpool. July 24

French.

France, N. Y.-Havre. July 15
La Touraine, N. Y.-Havre. July 22

Hamburg-American.

Imperator, N. Y.-Hamburg. July 18
Cleveland, Boston-Hamburg. July 21
Preorian, N. Y.-Hamburg. July 25

Holland-America.

New Amst'dam, N. Y.-R't'd'm. July 14
Noordam, N. Y.-Rotterdam. July 21

Leyland.

Winifredan, Boston-Liverpool. July 25

North German Lloyd.

Berlin, N. Y.-Bremen. July 18
K. W. der Grosse, N. Y.-B'm'n. July 21

Red Star.

Lapland, N. Y.-Antwerp. July 18

White Star.

Arabic, Boston-Liverpool. July 14
Cedric, N. Y.-Liverpool. July 16
Adriatic, N. Y.-Liverpool. July 23
Majestic, N. Y.-Southampton. July 25

Springfield, Mass.—Six of the local
florists have adopted a summer closing
schedule. During July and August
their stores will close on all week
days at 5 P. M., excepting Saturdays,
when the closing hour will be six
o'clock. They will also be closed on
Sundays, and only urgent orders,
placed before Sunday, will be deliv-
ered on that day. These six stores are:
The Posy Shop, 126 State street; T. F.
Sheehan, 143 State street; Ostermann
& Steele, 137 State street; William
Schlatter & Sons, 422 Main street;
Sidney A. Saunders, 150 State street;
Mark Aitken, 484 Main street.

ALEX. McCONNELL

**611 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Cost of Cabling Foreign Deliveries

Must be prepaid

Reference or cash must accompany all
orders from unknown correspondents.
Cable Address, ALEXCONNELL.

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Or OUT-GOING STEAMERS

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Flowers shipped on all Steamers. Special Correspon-
dence in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardsflor.

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A. WARENDORFF

Artistic Work. Reasonable Prices.
Prompt Delivery of Steamer Orders.

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"FLOWERS BY TELEGRAPH"

THE ROSERY

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**FLOWER DELIVERIES FOR ALBANY
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FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New
York cities and
towns.

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Auto delivery of Designs and Flowers to
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Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
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any occasion, in any part of the Dominion.
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Orders Filled
HALL & ROBINSON Under Per-
sonal Supervi-
sion
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(Established 1851.)
770 St. Catherine St., West
MONTREAL, CANADA
We give Special Attention to Telegraphic
Orders

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and properly
filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.
New London, Conn.—Reuter's.
New Haven, Conn.—J. N. Champion, 1026
Chapel St.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.
New York—A. Warendorff, 1193 Broad-
way.
New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
St. Paul, Minn.—L. L. May & Co.
Stamford, Conn.—"Quality Shop," Stam-
ford Seed & Nursery Co.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.
Columbus, O.—Munk Floral Co.,
Brunson Bldg.
Springfield, Mass.—Viale Bros., 12
South street.

San Francisco, Calif.—Louis Capur-
ro, O'Farrell street.

Buffalo, N. Y.—Chas. Sandiford, for-
merly head gardener for J. J. Albright,
Main and Amherst streets.

BUSINESS TROUBLES.

Charles Limmer, florist, on Barrett
street, has filed a schedule of assets
and liabilities with the referee in
bankruptcy. There are about thirty
general creditors.

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HARRY I. RANDALL, Proprietor.

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3 PLEASANT ST., WORCESTER, MASS.
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PHILADELPHIA NOTES.

H. Bayersdorfer arrived home from his European trip on the 4th inst. on the Vaterland. His son, who is associated with him in business, will make the outward voyage on the same steamer, dated to sail on the 7th inst.

Ernest H. Hoehl, who ran the old Bunting place in West Philadelphia for a number of years, is now representing S. S. Skidelsky & Co., and is at present making a special drive on seeds of new winter-flowering sweet peas.

Charles Sim, landscape gardener and contractor, Rosemont, sailed from New York on the Allan Line via Nova Scotia for Glasgow on the 7th inst. He has chosen this route in order to get the benefit of a full fourteen days on the water. He will return in about two months.

At this writing, July 7, William Westcott is reported to be resting easily. He went under an operation at St. Timothy's Hospital, Roxboro, on Thursday last and has been a source of grave anxiety to his friends since. His brother John responds hopefully over the 'phone this afternoon.

Gus Doemling sailed on the Vaterland, July 7. Mr. Doemling has blossomed out as one of Philadelphia's most successful rose growers in the past decade. His range of glass is in Delaware County, seven miles outside the city. He made a great hit last winter with Mrs. Charles Russell.

Cards are out for the wedding of C. Percy Barnard of Northbrook and Jane H. Wickersham, Unionville, for July 15th. Both contracting parties are prominent citizens of Chester Co., Pa., and well known in Philadelphia. The groom is a florist-grower of more than local renown, and his hosts of friends rejoice with him on this happy occasion.

B. Eschner of the M. Rice Co. arrived home from his European trip, June 18, on the S. S. Vaterland. He was accompanied on his trip by Mrs. Eschner. They visited Madeira, Algiers, and took the European points from the southern side, including the International Flower Show at Hamburg. Incidentally, contracts were made for all the latest novelties in the florists' supply line.

Mr. and Mrs. H. H. Battles and daughter, Miss Grace Battles, returned from a three-months' European tour on June 26. They visited many metropolitan centers—combining recreation with acquisition of valuable knowledge and experience. They sailed on the Olympic which is the last word of the White Star Line and came back on the Aquitania which is the final gasp of the Cunard. Mrs. Battles was the youngest of the family all the time, and comes home greatly benefited in health.

A new venture in the retail cut flower and plant business starts here Sept. 1st. Two young men from New York City—Messrs. Verona (of Trepel's and Steinhoff's son of the well-known florist of that name) have signed a contract for a term of years with Snellenburg's—one of the biggest and best of this city's department stores—to run a flower department in connection with the general business of the company and plans are now

well under way for a first-class proposition here, such as Mr. Trepel has made so successful in Manhattan. Good luck to them. We greatly need that sort of enterprise here.

Visitors: J. J. Gammage, London, Ontario; Messrs. Verona, New York, and Steinhoff, West Hoboken, N. J.; Alexander Canning, Center Square, Pa.; Mr. and Mrs. William. Weinhoeber, Chicago, Ills.; W. B. Currie, of Currie Bros. Co., Milwaukee, Wis.

WASHINGTON NOTES.

Mr. Redmond, with the S. S. Pen-nock-Meehan Company, is reported as spending a very pleasant vacation at Colonial Beach.

Work has been begun on the erection of a 400-foot rose house at the Mount Olivet plant of the Gude Bros. Company. This house will probably be devoted to American Beauty roses.

Frederick D. Burch, rose grower in charge of several houses operated by Gude Bros., was married on June 30, to Miss Effie J. Adams of this city. James Carroll, American Beauty grower at the Anacostia houses, also took unto himself a bride on the same day. Both of the young couples have the hearty congratulations of their many friends in this city.

Hardly had the report of the theft of \$965 from the safe of the Washington Florists' Exchange been placed on the police records than it was found that the money had been mysteriously replaced. The money was found missing on a Friday morning, the safe having been left open the night before, but when the door was opened again on the following Sunday, it was intact.

Florists who have automobiles for personal or delivery purposes are facing an additional tax of from \$5 to \$7.50 per annum thereon according to the size of each car, a bill providing for such tax having been introduced into the House of Representatives. Owners of automobiles already pay a personal tax and license tax and they believe that they are more than doing their share. Practically all of the florists here operate machines, many having several, and as they believe the tax unjust, they will probably do all that they can to defeat the measure.

ST. LOUIS NOTES.

W. C. Smith and Mrs. Smith are off for a two weeks' vacation trip at Ha, Ha, Tonka, Mo.

The Steinmesch Seed Co., on the east side of the river, was damaged to the extent of \$10,000 by fire on July 2.

Dr. George T. Moore and Prof. Duggar, of Shaw's Garden, will spend most of the summer at Wood's Hole, Mass., in the Marine Laboratory.

John Barnard, who, a month ago, left the O'Leary Floral Co. with \$220 belonging to the company, has been arrested and is charged with embezzlement.

Mr. and Mrs. John Kalish, of the Kalish Bros. Floral Co., with their mother, left last week for a northern summer trip which will consume three weeks.

CHICAGO

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FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

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CHICAGO NOTES.

The 12 year old son of John Zeek was severely bitten by a vicious dog belonging to a neighbor. It is hoped no serious results will follow.

The Foley Greenhouse Mfg. Co. are very busy at present. Among their most recent orders is one from the Iowa State College, Ames, Iowa, for a large palm house with two wings with curved eaves, and ten growing houses, all to be of steel construction; also houses for Chapin Bros., Lincoln, Neb.

The usual summer quiet has settled on the Chicago flower stores. In the greenhouses the work of repairing benches and making necessary changes is or should be well under way. At Frank Oechslin's and other plant growing establishments the bedding trade is over and all energies are directed toward getting the cyclamen, poinsettias, begonias and primulas in condition for next winter's blooming.

NEW CORPORATIONS.

Pine Bluff, Tenn.—The Bluff City Seed & Floral Company have surrendered their charter.

Ogden, Utah.—Ogden Wholesale Floral Company, capital stock, \$2,500. Incorporators E. C. Rich, E. R. Dumke, J. Bamberger, P. Healy and J. R. Dumke.

Personal

Frank Danzer and Harry Breitmeyer of Detroit sailed for Europe July 6th.

Peter Duff, superintendent of Bright-hurst, Orange, N. J., sailed for Scotland on July 4.

A. R. Tischinger, florist, Govans-town, Md., and Miss Mabel Skillman, were married June 25th.

Mrs. E. A. Williams, Pittsburgh, Pa., sailed on the Aquitania July 1st for an extended European trip.

H. W. Betts, Richmond, Mass., sailed from Boston on the Warren Line steamer Sagamore last week.

H. Huebner, Groton, Mass., sailed from Boston on the Cincinnati of the Hamburg-American line, July 7.

Edward Reid and family, of Philadelphia, will sail for Europe July 16th on the Lusitania for a ten weeks' vacation.

Cards have been received from John Meisem, of Elmhurst, N. Y., showing that he is having a glorious time in Europe.

A Leuthy, Roslindale, Mass., is scheduled to sail from New York on his customary European trip, Wednesday, July 15.

Chas. J. Bolgiano, Baltimore, Md., has been elected a member of the Chamber of Commerce of the United States of America.

A. A. McDonald, superintendent of the Duke estate, Somerville, N. J., will sail for Europe July 14th, and will be gone about two months.

The Cumberland Town Council of Pawtucket, R. I., have appointed Neil Ward of Lonsdale tree warden, to succeed Walter Sword of Valley Falls.

Fred B. Barrington served as a judge at the flower show of the Cape Ann Scientific and Literary Association at Gloucester, Mass., last week.

Wilbur N. Baumann, son of Camille E. Baumann, florist of St. George avenue, Rahway, N. J., and Miss Evelyn K. Harriman were married at the bride's home in Rahway on June 16.

Albert L. Warner, one of the oldest active florists in the state will celebrate his 80th birthday this month at his home in Pawtucket, R. I. Mr. Warner, whose specialty now is Asparagus plumosus has done a lucrative florist business at his present location for many years and is hale and hearty still.

Enclosed please find my subscription for HORTICULTURE for this year. I enjoy reading it and congratulate you on the way you have pushed it along to its present high standard. "Keep it going."

Yours very truly,

Peter Duff.

Orange, N. J.

During Recess

New York Florists' Club.

The annual outing of the New York Florists' Club was held on Wednesday, July 1. The party numbered 275, and the sail to Glen Island was much enjoyed. A number of members usually prominent on this occasion were absent, due, probably, to the fact of the outing following so closely on the excursion of the Plant Growers' Association. The occasion was somewhat marred by rain in the afternoon, but the various games, races, etc., were all carried through with the exception of the baseball game. The committee in charge worked valiantly to secure for everyone a good time.

Among the prominent guests present were R. Vincent, Jr., and Mrs. Vincent.

Greek-American Picnic.

The annual picnic of the Greek-American Florists of New York took place on Wednesday, July 8, at Witzel's Point Grove, via the steamer Isabel. It was a fine crowd and they had a fine time.

Cook County Florists.

The Cook County, Ill., Florists' Club will give an excursion and basket picnic to Michigan City on the Roosevelt, Sunday, July 12th. A good attendance and fine time is anticipated.

St. Louis Growers.

The County Growers' Association had a splendid time at their outing June 30th and it will be an annual affair from now on.

VISITORS' REGISTER.

Boston: U. G. Scollay, Brooklyn, N. Y.; Wm. Plumb, New York.

Cincinnati—E. G. Hill, Richmond, Ind., and W. F. Klus, Anderson, Ind.

St. Louis, Mo.: P. L. McKee, representing J. C. Moninger Co., Chicago.

New York: F. R. Cooper, representing F. Cooper, Ltd., Wellington, New Zealand.

Washington—Mr. and Mrs. Vesey, Fort Wayne, Ind.; Joseph Goudy, Philadelphia; Joseph Heacock, Wyncote, Pa.

The Florists' Supply House of America

Good things for Summer use are now in line. We have some New Baskets in Novel Designs and Dainty Material that will please your summer customers. All standard goods in unexcelled variety and at bottom prices.

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Philadelphia—Mr. and Mrs. Wm. Wichhoeber, Chicago, Ills.; W. B. Currie, of Currie Bros. Co., Milwaukee, Wis.; J. Gammage, London, Ontario; Messrs. Verona, New York, and Steinhoff, West Hoboken, N. J.; Alexander Cumming, Center Square, Pa.; J. K. M. L. Farquhar, Boston; Thomas Roland, Nahant, Mass.

Souderton, Pa.—The green house of the late David Allabaugh on Highland street, was sold last week at public sale to Preston Gruver of Silverdale, for \$2500.



R. M. Ward and a Group of Naturalists at Raratonga, Cook Islands.
Mr. Ward Second from Right.

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Send for complete List and Quotations.
Place your order now. We will hold them
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SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

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WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI July 6	CHICAGO July 6	BUFFALO July 6	PITTSBURG July 6
Roses				
Am. Beauty, Special.....	15.00 to 25.00	15.00 to 25.00	20.00 to 25.00	15.00 to 25.00
" " Fancy and Extra.....	12.00 to 15.00	10.00 to 15.00	12.00 to 15.00	15.00 to 20.00
" " No. 1.....	8.00 to 10.00	6.00 to 8.00	6.00 to 12.00	6.00 to 10.00
Killarney, Richmond, Extra.....	4.00 to 6.00	4.00 to 8.00	5.00 to 6.00	6.00 to 10.00
" " Ordinary.....	2.00 to 3.00	1.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Hillingdon, Ward, Sunburst, Extra.....	10.00 to 15.00	15.00 to 20.00	5.00 to 6.00	6.00 to 10.00
" " Ordinary.....	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
Maryland, Taft, Extra.....	4.00 to 6.00	8.00 to 10.00	7.00 to 10.00	6.00 to 10.00
" " Ordinary.....	2.00 to 3.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00
Russell, Shawyer.....	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00	10.00 to 15.00
Carnations, Fancy.....	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00	2.00 to 3.00
" " Ordinary.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	25.00 to 35.00	50.00 to 60.00
Lilies, Longiflorum.....	8.00 to 10.00	10.00 to 15.00	6.00 to 10.00	6.00 to 10.00
Lily of the Valley.....	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
Glaboli.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Corn Flower.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Daisies, white and yellow.....	.35 to .75	.25 to .50	.50 to 1.00	.50 to 1.00
Sweet Peas.....	1.00 to 1.50	1.00 to 1.50	.20 to .50	.20 to .50
Gardenias.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	12.50 to 15.00	12.50 to 15.00	15.00 to 20.00	15.00 to 20.00
Asparagus Plumosus, Strings (100).....	50.00 to 60.00	50.00 to 60.00	40.00 to 60.00	50.00 to 60.00
" " & Spen. (100 bchs.).....	25.00 to 35.00	35.00 to 50.00	25.00 to 35.00	25.00 to 40.00

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Flower Market Reports

Trade lags badly since
BOSTON July 1. There is neither local nor shipping demand worth mentioning but the latter should very soon waken up. Roses are in abundant supply, the best sellers being Killarney Brilliant, Double White Killarney and Cardinal. There is plenty of lily of the valley but long-florum lilies are scarcer than for some time past and the price has advanced. Gladioli are still of the indoor stock. Some outdoor sweet peas are seen but the indoor product is the better, so far. Asters are not yet in sight, but are about due.

Very little change in
BUFFALO market conditions, although it may be said that things are not altogether at a standstill. The week end saw a fairly good cleaning up except on roses of poor quality and Beauties did not take well. There is a heavy supply of lilies which do not run to advantage on account of the outdoor candidum lily. Other outdoor stock such as Canterbury bells, delphinium, Shasta daisies, coreopsis, etc., has been plentiful. Early store closing and vacations are in order and a few weeks of dullness is certain to prevail.

Cool weather the past
CHICAGO week has improved the rose stock in a marked degree. Killarney is coming in of a quality considered fair for this season of the year. Most of the stock, however, is of the shortest length stem. Good long-stemmed stock is very scarce. Sunburst, which is one of the most satisfactory summer varieties, may be had in all desirable lengths. Some very fine Russells are noted; these are mostly snapped up by local buyers catering to a select trade, the price—6 to 20c.—being prohibitive to the cheaper trade. Shawyer is now seen in increasing quantities, most of it cut from young early-planted stock, in length from 6 to 20 in., selling readily at 3 to 10c. Bulgarie and Milady can be had in various lengths and of fine quality. Carnations are still coming into the market in considerable quantities but very few blooms are of even fair quality. Asters are more in evidence but most of the stock offered is short-stemmed as yet. Beauties are still in heavy crop and the quality is excellent. Lilies are about equal to demand; these command 8 to 10c. for the best grade. The crop of June brides having been harvested there is a decided drop in demand for lily of the valley. There is an abundance of out-door grown stock of every description which finds favor with many dealers. Few sweet peas are seen and these are very short stemmed.

The market is the
CINCINNATI usual July market. The supply is not any too large for the rather ordinary



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Not as good as they will be in a short time, but excellent quality for the early cuts considering weather conditions—purples, whites and pinks.

Per 100; \$1.00, \$1.50, \$2.00

Few Extra Long at \$3 per 100

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON July 9		ST. LOUIS July 6		PHILA. July 6	
Roses						
Am. Beauty, Special	18.00	to 25.00	20.00	to 25.00	17.50	to 25.00
" " Fancy and Extra	8.00	to 15.00	15.00	to 18.00	12.00	to 17.50
" " No. 1	2.00	to 6.00	5.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Extra	3.00	to 5.00	4.00	to 6.00	3.00	to 6.00
" " Ordinary	.50	to 2.00	2.00	to 3.00	2.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 8.00	5.00	to 6.00	4.00	to 8.00
" " Ordinary	.50	to 2.00	3.00	to 4.00	2.00	to 3.00
Maryland, Taft, Extra	5.00	to 8.00	4.00	to 6.00	4.00	to 5.00
" " Ordinary	.50	to 2.00	2.00	to 3.00	2.00	to 4.00
Russell, Shawyer	2.00	to 15.00	.....	to	4.00	to 8.00
Carnations, Fancy	1.00	to 1.50	1.50	to 2.00	2.00	to 3.00
" " Ordinary	.25	to .50	.50	to 1.00	1.00	to 2.00
Cattleyas	15.00	to 20.00	40.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum	7.00	to 8.00	8.00	to 10.00	8.00	to 10.00
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Gladioli	1.00	to 4.00	5.00	to 6.00	4.00	to 6.00
Corn Flower	.....	to .50	.25	to .50	.25	to .35
Daisies, white and yellow	.50	to 1.00	.25	to 1.00	.50	to .75
Sweet Peas	.10	to .50	.20	to .40	.35	to .75
Gardenias	.....	to .....	.....	to .....	.....	to
Adiantum	.75	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	.....	to 20.00
Asparagus Plumosus, Strings (100)	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Spreng. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	20.00	to 35.00

but active demand. Practically all the receipts sell and some of them realize pretty fair prices. There is a good demand from out of town. The supply of roses has increased somewhat but the largest part consists of short stock of fair quality. American Beauties are in a large supply, most of them choice blooms. Carnations sell nicely; and all good gladioli sell at sight. Lilies, too, have a good market.

Stock is shortening
NEW YORK up in quantity and the situation has changed somewhat since last week's report. Lilies are again in good demand at a better price and lily of the valley is selling quite well. Roses are very plentiful in a way, the bulk of the receipts being small new crop buds which are considered well sold at 35 to 50 cents per 100. Asters have made their appearance and bring \$2.00 per 100. Outside gladioli are in and the market price of this flower is cut to one half, in consequence. Orchids are doing much better than they were.

Fourth of July
PHILADELPHIA week is never a very good week for the flower business. The customers are mostly all going out of town and the shopkeepers fight shy of buying anything except hand to mouth. But compared with other years last week's volume of business was all that could be expected and shows up favorably. Prices ruled low, of course, all along the line. Roses are plentiful and except on the northern-grown, receipts are only of medium quality. Carnations are gradually running down both as to quantity and quality. Per contra asters are improving both in quantity and quality. Pretty soon this flower will be showing grade enough to cut some figure in the market. Gladioli is more in evidence, but as yet they are mostly outdoor cut from points south. Locals should have been in by now, and may be expected in force any day. Cattleyas, gardenias, lily of the valley, lilies and other standard stocks remain in normal supply and demand with no marked features.

(Continued on page 54)

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Leucothoe, Palmetto, Cycas, both fresh
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Laurel, Hemlock, all Decorating Evergreens.

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122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

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Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

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121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

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WHOLESALE FLORIST

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Successor to JOHN I. RAYNOR

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A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.

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WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

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ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Tel. 759 Mad. Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 4 1914		First Half of Week beginning July 6 1914	
American Beauty, Special	10.00	to 12.00	15.00	to 25.00
" " Fancy and Extra	8.00	to 10.00	8.00	to 10.00
" " No. 1	1.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Maryland, Taft, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Russell, Shawyer				
Carnations, Fancy Grade	1.50	to 1.50	.75	to 1.00
" " Ordinary .....	.50	to 1.00	.50	to .75

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK

Telephone 7062 Madison

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones {1664} Madison Square
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MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD
AT RETAIL.

Ample reference furnished as to standing and financial ability of the company.

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CHOICE CUT FLOWERS

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Still Going Strong.

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OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE

106 WEST 28TH ST., NEW YORK.

Opens 6 A. M. daily.

Telephone, 167 and 4468 Mad. Sq.

Flower Market Reports

(Continued from page 53)

worthy of mention. Water lilies of the newer, large flowering varieties are in evidence and meet with ready sale.

Plenty of ordinary **ST. LOUIS** stock is coming in these hot days, but anything real fancy is out of the question. The retail business is so dull that not much of any is needed and only funeral work is keeping the trade from forgetting they are in business. About the only good stock in sight are long Beauties, lilies, lily of the valley, Shasta daisies and gladioli. Roses cut from young stock are coming in, but very short in stem; so are carnations and sweet peas.

Asters made their first appearance of the season last week and met with some little sale. The changeable weather has shortened up the supply of roses to no little extent and while there are large quantities of carnations this flower is poor in quality. There was a better demand for orchids last week and lily of the valley sold well. The supply of sweet peas was insufficient to meet the demand. The call for roses is confined mostly to the \$2 to \$4 per hundred grades and more particularly for Mrs. Taft and Radiance, these clearing up well while white and pink Killarneys go begging. The heavy storms of a week ago have continued and much damage is being done by the rain washing up outdoor plants. This has caused the shortening of the supply of outdoor sweet peas and has materially hurt the asters which are beginning to show promise. These features bring forth no sighs of regret from the growers under glass, but the penalty is a severe one to those directly interested.

NEWS NOTES.

Chatsworth, Ill.—Wm. Edwards has purchased the Chatsworth greenhouses.

Norwood, Pa.—Frank Hunter has purchased the greenhouse establishment of Macaw Bros.

Antigo, Wis.—The King Greenhouses have been purchased by Joe Frisch, formerly of Merrill, Wis.

Columbus, O.—Bernhardt Buehler has sold his greenhouses to Frank Hardesty and Howard Sharey.

Parkersburg, W. Va.—The greenhouses of Gustav Obermyer were badly damaged by a hailstorm on June 21st.

South Lyon, Mich.—A hailstorm on June 27th caused damage of \$400 to the greenhouse range of Walter E. Hastings.

Secaucus, N. J.—Carl A. Woerner has sold his establishment, 220 Clark-son street, Flatbush, Brooklyn, N. Y., and purchased a larger range here.

Early closing will be the rule until September, by the wholesale flower dealers of New York City, most of them locking up daily at 3 P. M.

Kansas City, Mo.—The Rudy-Patrick Seed Company has leased from the Western Grocer Company the building at Ninth and Santa Fe streets, containing about 80,000 sq. ft.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 4 1914		First Half of Week beginning July 6 1914	
Cattleyas	10.00	to 35.00	15.00	to 40.00
Lilies, Longiflorum	2.00	to 3.00	4.00	to 5.00
Lily of the Valley	2.00	to 3.00	1.00	to 2.00
Gladioli	6.00	to 8.00	6.00	to 8.00
Corn Flower .....	.....	to 5.00	2.50	to 5.00
Daisies, white and yellow .....	.75	to 1.00	.....	to 1.50
Sweet Peas (per 100 bunches)	1.00	to 6.00	1.00	to 5.00
Gardenias	10.00	to 25.00	10.00	to 25.00
Adiantum .....	.50	to .75	.50	to .75
Smilax	10.00	to 16.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100)	35.00	to 50.00	25.00	to 35.00
& Spren (100 bunches)	15.00	to 20.00	15.00	to 20.00

OBITUARY.

Joseph Bradbury.

Joseph Bradbury, ninety-three years old, died Sunday, June 28, at his home, 531 Irvington avenue, South Orange, N. J. Mr. Bradbury was one of the oldest residents of South Orange. His death was due to the infirmities of advanced age after a lingering illness. For many years Mr. Bradbury was engaged in the florist business. He is survived by six daughters and one son.

W. H. Humfeld.

William Henry Humfeld died at his home in Kansas City, Mo., on June 25, aged 59 years. He leaves a widow and five daughters.

TEXAS TO HAVE AN ARBORETUM.

A movement looking to the conservation of native Texas flora, and so far as the way is clear, to the establishment of a Texas Botanical Garden and Arboretum in Austin, is meeting with much encouragement.

Committees have been appointed by the Texas Nurserymen's Association, State Horticultural Society, State Florists' Association, State Experimental Stations, A. & M. College, Texas State University and State Agricultural Department. These committees are to be called to meet at College Station, Texas, during the Farmers' Congress, July 28, 6 to 9 P. M. in Mess Hall at a banquet, programs to be published. F. T. Ramsey is chairman. This order was issued by the executive committee of the Texas Nurserymen's Association, June 6, and signed by J. S. Kerr, president; Will B. Munson, vice-president, and J. M. Ramsey, secretary-treasurer.

BUSINESS POINTERS.

Hard luck seldom overtakes the man who never looks around to see if it is coming.

The question of whether or not there is room at the top need not trouble you until you get there.

If there is anything that will stunt a man's business and mental growth, it is patting himself on the back too much.

If you do not know exactly what it costs you to do business, you may be sure that it is costing you more than you think.

If the ideas which you carry into effect in the conduct of business are half-baked, it is reasonably certain that "your cake will be dough."—*South-ern Merchant.*

PUBLICATIONS RECEIVED.

Report of Commissioners, Rockford Park District, Rockford, Ill., 1913. This superbly illustrated publication shows that the public of Rockford, the children especially, are being well provided for in their park and playground equipment. The statement of assets and liabilities shows assets of \$274,316.54, being \$71,894.60 in excess of bonds and all other liabilities. Paul B. Riis is superintendent.

The Ninth Annual Report of the Board of Park Commissioners of the City of Racine, Wis., is a handsome publication with maps and many fine illustrations of park and playground views on heavy coated paper. The cover is adorned with a river view in natural colors. The Racine park system has been established ten years and is being developed in a most enterprising manner. A. A. Fisk is superintendent.

Public Parks Board, Winnipeg, Canada. The Annual Report for 1913 is one of the most interesting reports that have come to our notice. We venture to say that very few of our readers realize that the city of Winnipeg spends over a quarter of a million dollars annually on its public parks. Yet that is what this report shows. The book is embellished with a number of large folding views and several full page pictures of great beauty. G. Champion is the superintendent.

The 31st Annual Report of the Park Commissioners of Minneapolis, Minn., has been received from Superintendent Wirth. It is, as for several years past, a most elaborate publication, evidencing the thoroughness with which everything is done when Theodore Wirth has anything to say about it, and the splendid support accorded by the city and the officials to the policies laid down by that indefatigable worker. The cover page is embossed in colors and the pictorial features of the publication are very elaborate. Maps and diagrams of layout and plantings, in fine detail add much instructive value. The value of land and improvements of the Minneapolis Park System is computed at \$7,144,725.78. Total disbursements for the year 1913 were \$726,184.04.

The Cincinnati Cut Flower Exchange have finished their summer house cleaning and repainting and re-decorating. The place looks neat and very attractive in its coat of white and green.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

Ampelopsis Veitchii—Largest stock of 2-year transplanted in the United States. All sizes up to strong 3-ft. plant. Send for prices before placing your order elsewhere. CHAS. BLACK, Hightstown, N. J.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.

Otto Heincken, New York City.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

K. J. Kuyk, Ghent, Belgium.
Diamond Collection Azaleas.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and Florence Davenport. 2½ in. pots. Delivery from May 15th. JULIUS ROEHRS CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

King Construction Co., North Tonawanda, N. Y.
"King Ideal" Boiler.

For page see List of Advertisers.

Lord & Burnham Co., New York City.

BONEX—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
German Iris and Liliums Henryi and Tenuifolium.

For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CANNAS

108 of the best varieties. Send for new Complete Canna Book, just out. THE CONARD & JONES COMPANY, West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Leo Niessen Co., Philadelphia, Pa.
Field Grown Carnation Plants.
For page see List of Advertisers.

FIELD GROWN CARNATIONS

Ready Now.
Best stock we have ever had of the Novelties and Standards.
Write for prices.
CHARLES H. TOTTY, MADISON, N. J.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemum Novelties for 1914.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCONUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

CYCLAMENS from 3 in. pots. Finest strain. Separate colors. JULIUS ROEHRS CO., Rutherford, N. J.

Cyclamen, best German strain, in fine assorted colors; good stock out of 2½ in. pots at \$5.00 per 100. J. H. FLESSER, North Bergen, N. J.

DAHLIAS

Dahlias at greatly reduced prices for 1914. Send for wholesale list. Order early. J. L. MOORE, Northboro, Mass.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

DRACAENAS

Dracaena Indivisa, strong, 7 in. to 4 ft. high, 75c. and \$1.00 each. H. WESTON, Hempstead, N. Y.

FERNS

McHutchison & Co., New York City.
Ferns in Flats.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Ernest Oechslein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Coconut Fibre Soil.
For page see List of Advertisers.

For List of Advertisers See Page 35

FERTILIZERS—Continued

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
Wedding Accessories.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

1,500 B. Poitevine; 2,000 S. A. Nutt,
rooted cuttings, \$6.00 per 1,000. The lot
for \$25,000. GEO. P. GRIDLEY, Wolfeboro,
N. H.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Frank Van Assche, Jersey City, N. J.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.
Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Frank Van Assche, Jersey City, N. J.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Hammond Slug Shot Works, Beacon, N. Y.
Hammond's Grape Dust.
For page see List of Advertisers.

IRIS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

IRRIGATION SPRINKLER

J. P. Campbell, Jacksonville, Fla.

IVIES

English Ivies, 4 in. to 3 ft., \$10.00 per
100. H. WESTON, Hempstead, N. Y.

JERUSALEM CHERRIES

Jerusalem Cherry, out of 2 1/4 in. pots at
\$3.00 per 100. J. H. FIESSER, North
Bergen, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LAURUS

Laurus Cerasus: Bush, 35c.-\$1.00 each;
Standards, \$7.50-\$10.00 each; Pyramids,
\$5.00-\$7.50 each.
JULIUS ROEHRS CO., Rutherford, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteuma.
For page see List of Advertisers.

LILY OF THE VALLEY

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS

August Rolker & Sons, New York City.
For page see List of Advertisers.

Otto Heineken, New York City.

Fottler, Fiske, Rawson Co., Boston, Mass.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville,
Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

NEW AND RARE PLANTS FROM CHINA

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Otto Heinecken, New York City.

Manning Nurseries, No. Wilmington, Mass.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

Freeman Orchid Co., Fall River, Mass.
For page see List of Advertisers.

PALMS, ETC.

A. Leuthy & Co., Rosindale, Mass.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Otto Heinecken, New York City.

PANSY SEED

Henry F. Michell Co., Philadelphia, Pa.
Giant Prize Pansy Seed.
For page see List of Advertisers.

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

PEONIES.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Specialist,
Chenonceaux, France.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

Otto Heinecken, New York.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

POINSETTIAS

A Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

REFRIGERATORS FOR FLORISTS

United Refrigerator & Ice Machine Co.,
Kenosha, Wis.
United Ice Machines.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Otto Heinecken, New York City.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

L. B. Coddington, Murray Hill, N. J.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Send for complete list of strong two
year field plants of choicest roses. THE
CONARD & JONES COMPANY, West
Grove, Pa.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Boigiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Quality Flower Seeds.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford,
Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Kelway & Son, Langport, England.
Garden, Farm and Flower Seeds.

James Vick's Sons, Rochester, N. Y.
Florists' Seeds.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and
orchid basket always on hand. LAGER
& HURRELL, Summit, N. J.

**SPRINKLING, IRRIGATING AND
WATER SUPPLY OUTFITS**

Chas. J. Jager & Co., Boston, Mass.

STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

For List of Advertisers See Page 35

TWENLOW'S PUTTY.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Celery Plants, Golden Self-Blanching (French Strain), fine plants, ready now, \$2.00 per 1000. Cash. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

SWEET POTATO PLANTS—All the leading yellow varieties, including Yellow Nansmond, Up Rivers, Big Stem Jersey, Early Golden, and other varieties; 1000, \$1.50; 5000 or more, \$1.25 per 1000. Prompt shipment. **H. AUSTIN**, Felton, Del.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

VINCAS

William Capstick, Auburndale, Mass.
For page see List of Advertisers.

WEED KILLER

Pino-Lyptol (Chemical Co., New York City.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. **HOLTON & HUNKEL CO.**, Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued
New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransdend St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St. N. W.
For page see List of Advertisers.

New Offers In This Issue**ASTERS.**

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

BOILERS FOR SALE.

E. L. Dodge, S. Friend St., Boston, Mass.
For page see List of Advertisers.

CELERY PLANTS.

Warren Shinn, Woodbury, N. J.
For page see List of Advertisers.

GIANT PANSY SEED.

Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.

POT-GROWN STRAWBERRY PLANTS.

Weeber & Don, New York City.
For page see List of Advertisers.

SOUTH AMERICAN SHEEP AND GOAT MANURE.

Sanderson Fertilizer and Chemical Co., New Haven, Conn.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE

Lot of land, 248 feet by 106 feet, with 3 iron construction greenhouses, 175 x 20 feet each, potting shed, some frames in fine condition. Located on three streets, trolley passing the front, in a town of 40,000 inhabitants, close to New York. Excellent place, suitable either for local trade, where all the products could be readily sold or for wholesale shipping to New York or Philadelphia. Low price, terms to suit purchaser. Address Chance, care HORTICULTURE.

FOR SALE

Three good tubular boilers, in use at the present time—two 12 ft. and one 4 ft. in diameter. Can be bought with all appurtenances very cheap. Parties putting in larger boilers. Apply

N. F. MCCARTHY & CO., 112 Arch Street BOSTON

RETIRING FROM BUSINESS

AUGUST MILLANG wishes to sell his Old Established business, 57 Stuyvesant Ave., cor. Pulach St., Brooklyn, N. Y. Store, two greenhouses and garage. Will sell cheap. Rent reasonable.

FOR SALE—Large place in New Jersey, near New York City; 30,000 feet of glass, large dwelling and furniture, barn, horses, and automobile; well established business, local and wholesale; also large landscape business. Place is near trolley and railroad, and is in first class condition, all up-to-date improvements. Price very reasonable; owner must sell at once, going west. Particulars **CHAS. MILLANG**, 55 W. 26 St., New York City.

FOR SALE—Fresh from factory, new: 10 x 12, 16 x 18, 16 x 24, double thick A and B qualities. Market dropped. Now is the time to buy and save money. **PARSHINSKY BROS., INC.**, 215-217 Haver Meyer St., Brooklyn, N. Y.

BARGAIN—Greenhouse, residence and stock; no competition; live village, 30 miles from Buffalo, excellent shipping facilities. Write **ELLIS BROS.**, Springville, N. Y.

FOR SALE—Lord & Barnham Ventilating machines for 250 foot house. In good shape and will sell cheap. **VENTILATOR** care HORTICULTURE.

FOR SALE—Greenhouse establishment 20,000 to 25,000 sq. ft. of glass, in good repair, in city of 16,000 population. Good retail business and good wholesale business. Inquire of **JOHN A. NELSON**, Prospect Street, Framingham, Mass., or **W. A. HASTINGS**, Flower Exchange, Boston.

SITUATIONS WANTED

SITUATION WANTED—Five years' local experience, also grower of all perennials. Private place preferred. Age 35. Good references. Address **M. J. TAHAN**, Box 34, Portland, Me.

SITUATION WANTED—By **G. L. Fishman** (age 26) on private estate as assistant gardener, 12 years practical experience under glass. Fruit, orchids, carnations, mums, stove and greenhouse plants. Excellent references. Apply by mail to Box 605, Moose, P.

In writing to Advertisers kindly mention Horticulture



HAMMOND'S GRAPE DUST

**For Use Against
Mildew and Blights**

GRAPE DUST is a readily diffusible, light-weight powder, Fungicide, for destroying Mildew and preventing Blights; also for destroying the Aphid and Black Fly. It is packed in 5 and 10 pound packages; also in 25 pound bags, 100 pound kegs, and barrels of 225 pounds, net. Kept in stock and sold by the leading Seedsmen in America. Dust by use of bellows.



EXPERIENCE OF FLORISTS AND GARDENERS MILDW ON ROSES, CARNATIONS, ETC. IT IS SIMPLE AND EASILY APPLIED

Mr. B. Hammond.

Dear Sir: Replying to your inquiries regarding "Grape Dust," would say that we use it solely on Roses, Carnations and Chrysanthemums. As a fungicide we have not found anything to equal it; it is simple and easily applied. We close down the ventilators and fill the house with dust blown through the bellows; when the dust has settled down we ventilate again, putting on a little air as required. We have been using your "Grape Dust" with good results for the last fourteen years.

Staatsburg, N. Y., May 25, 1908.

Yours truly, JAMES BLAIR.

I find your "Grape Dust" the most efficacious remedy for "Mildew" on roses that I have tried, and cheerfully recommend it to the trade.

Yours truly, CHAS. P. ANDERSON.
The John Henderson Co., Rose Growers.

Flushing, N. Y., Aug. 1889.

The "Grape Dust" is sudden death to Mildew in greenhouses.
E. A. BRAINERD, Florist, 7 Main Street.

ROBERT SIMPSON, Rose Grower.

Clifton, N. J., Oct. 11th, 1907.

Dear Mr. Hammond: In reply to your inquiry regarding my experience with "Grape Dust," would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for Mildew on roses. I do not know anything about its constituents, nor do I care so long as it does the work and is as economical as anything else on the market. During the summer when the steam pipes cannot be brought into use to check Mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than Sulphur, because it is much lighter and finer in texture; a given number of pounds will cover more than twice the number of plants; will cover them more thoroughly, and can be put on with a bellows in about one-fourth the time that would be required for Sulphur. The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.

With best wishes, I am yours very truly,

ROBERT SIMPSON.

Poughkeepsie, N. Y., Jan. 25th, 1912.

Benjamin Hammond, Esq.

Dear Sir: Please send me 25 lbs. "Grape Dust" as soon as possible. I find it is the only thing for Mildew on Roses. We have used it successfully for many years past.

Very truly, CONRAD C. GINDRA.

First used in California in 1890 at Menlo Park, San Mateo County.

HAMMOND'S SLUG SHOT WORKS, BEACON, (Fishkill on Hudson) N. Y.

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

**FARMERS AND FLORISTS
FERTILIZER CO.**

809 Exchange Ave., Rm. 15. Tel. Yards 842.
U. S. YARDS, CHICAGO, ILL.

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The merchant or manufacturer who assumes to "get on" without the trade journals directly or collaterally bearing on his particular specialty, is seriously handicapped in the stress of competitive strife. Wilfully, though perhaps not wittingly, he deprives himself of sources of information and material for progress and profit, lack of which must inevitably leave him in the lurch. And don't commit the folly of balking at the preponderance of advertising pages. The information these contain is never less and often far more valuable than is found in the reading matter.—*Boston Herald.*



**IMP.
SOAP SPRAY**

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS
SPRAYING-VAPORIZING-FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

PULVERIZED OR SHREDDED:

CATTLE MANURE

Rose and Plant Growers

Now is the time to get Cattle Manure into your bench and potting soil. Its peculiar action and effect cannot be had with anything else. Splendid quality being packed right now. Order today.

The Pulverized Manure Co.,



PULVERIZED

SHEEP MANURE

Carnation Growers

Can't afford to make beds or set plants without it. Wizard Brand is pure, full strength, weed seeds killed, uniform and reliable. Ask your Supply House for Wizard Brand or write us direct.

31 Union Stock Yards, Chicago

SOUTH AMERICAN SHEEP AND GOAT MANURE

WHAT HAVE WE HERE?

It looks like sheep manure!

It smells like sheep manure!

It feels like sheep manure!

and by gum, it is the real, pure old fashioned sheep manure, pure and straight all over, the same we used to be able to get years and years ago when sheep were plenty in this country of ours. This stuff comes from South America, where they have nothing else but sheep and goats and it is the Simon pure article, just as the Ba-Ba dropped it, but finely ground for convenience.

This manure is not acid and is safe to use on the most tender plants. It is just the thing for "Mums," for young roses, carnations, cyclamens, terns and a thousand other things.

We absolutely guarantee this manure to be nothing but pure sheep and goat manure, free from anything else whatever. Send for a sample,

Look at it—

Smell of it—

Feel of it

Make a test of it for acidity and see what a fine article of manure water you can get with it.

Price and Terms on application.

SANDERSON FERTILIZER & CHEMICAL COMPANY

Sole Importers and Distributors for New England

NEW HAVEN, CONNECTICUT

PLANTLIFE

PLANTLIFE has several advantages over liquid insecticides on the market. Containing refined tobacco dust it can be used to mix with the soil, acting as an excellent fertilizer, at the same time destroying worms and insects in the ground before they have a chance to reach the plant.

PLANTLIFE has been found very effective in ridding greenhouses of insects by dusting on plants. When dry, use for dusting about once a week.

Put up in bulk for greenhouse men;

in packages for retail trade.

Bag of 100 lbs. \$3.50.

Let us quote you prices in quantity.

The Plantlife Company, 251 East 66th Street
NEW YORK, N.Y.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

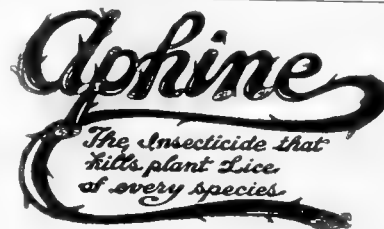
We offer the genuine in original cwt.

Sacks, at:

\$2.75 per 112 lbs.; \$12.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK



The Recognized Standard Insecticide

For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$1.00 per quart—\$2.50 per gallon.

FUNGINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

75c. per quart—\$2.00 per gallon.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$1.00 per quart—\$3.00 per gallon.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

75c. per quart—\$1.50 per gallon.

All the above products are readily soluble in water at proportions directed on cans and are used as spraying materials.

NIKOTIANA

A 12% nicotine solution for fumigating and vaporizing.

\$1.50 per quart—\$4.50 per gallon.

Manufactured by

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals

MADISON, N. J.

Cocoanut Fibre Soil

This is the Real Nature's Humus. Put it on your lawn this spring. Don't let it burn up, or stand all summer bare in hand.

Order now in 100 lb. bags.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

When writing to Advertisers kindly mention Horticulture

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
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LONG ISLAND CITY, N. Y.**GREENHOUSES BUILDING OR CON-
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house 70x400.W. Lebanon, N. H.—S. P. French,
house 20x100.Bad Axe, Mich.—Alfred Deady,
range of houses.Columbia, S. C.—Mrs. J. M. Eison,
100 ft. rose house.Terre Haute, Ind.—W. B. Davis, 8
houses each 76x600.Kis-Lyn, Pa.—Luzerne County Home
for Boys, one house.Duluth, Minn.—J. P. LeBorius, Third
street, improvements.Albany, N. Y.—Holmes Bros., Steu-
ben street, alterations.West Hartford, Ct.—W. W. Thomp-
son, King house 45x160.Dalton, Pa.—C. M. Streeter, Dalton
Greenhouses, house 26x76.Riverside, R. I.—J. E. Kopelman,
house 50x175. Lord & Burnham steel
frame.Antigo, Wis.—King Greenhouses,
Joe French, proprietor, three 120 ft.
houses.Lincoln, Neb.—Chapin Bros., one
house 28x150; one house 27x150; one
house 8x150, Foley construction.

The Foley Greenhouse Mfg. Co. has received the contract from the Iowa State College at Ames for a palm house 38x50, curved eave, 2 curved-eave extensions of palm house about 25x50, and ten growing houses 25x75, all iron-frame up-to-date houses. These houses are to be used for educational work and are called the Plant Propagation Laboratories of the Iowa State College. There are being built in connection with these some very fine service build-
ings.

NEWS NOTES.

The Lord & Burnham Company are erecting a factory at Welland, Ont., the main building being 200 by 225 feet.

Newburgh, N. Y.—The greenhouses of Wesley Wait, which have been operated by the Newburgh Floral Company are being dismantled and torn down. The proprietor says poor business conditions are the reason and he is said to lay the responsibility therefor on President Wilson's administration! Dr. Wait's greenhouses covered about four acres. They were erected about twenty-four years ago. During the big storm last winter the greenhouses were badly damaged, as a result of which suit to recover damages has been instituted against the Postal Telegraph Co. Dr. Wait alleges that the poles of the Postal Co. falling against his greenhouses caused the damage.

DREER'S "Riverton Special" Plant Tub

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

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Destroys Worms, Ants, etc., infesting Golf, Cricket Grounds, Parks and Lawns. Sure death to Snails. Does not injure Grass; causes the insects to come to the surface to die. (Must not come in contact with fine plants.)

One gallon Kil-Worm makes 50 gallons liquid when mixed with water.
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A scientific Weed Destroyer—free from odor. An unsurpassed preparation for the removal of Grass, Weeds, Vines and Bushes from paths, etc. Saves expense of several men; can be applied with an ordinary sprinkling can.

One gallon Kil-Weed makes 30 to 35 gallons liquid when mixed with water.
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1500	2 ½ "	" 6.00	210	5 ½ "	" 3.78
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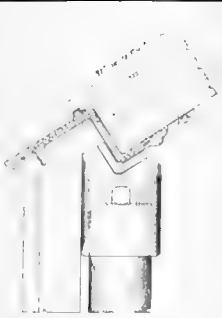
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SOME of us, have the rather expensive habit of seeing things *afterwards*. Of course it is better to see them afterwards than to go on blindly and not see them at all. Hindsight has its place. But Foresight is the thing that *fills the big place*. It is the sort of thing that reduces business costs on every hand, *now*, and makes possible the continued reduction *in the future*.

If you and I had one thousandth part of the money growers have wasted working at a disadvantage, because of wrongly laid out ranges; or that has been spent in big lumps to tear down and rebuild poorly constructed houses—we could be taking a cruise together this very minute with our families and friends, in our private yachts.

The man that has but his own limited individual problems from which to gain his experience, is apt to pay for some of his experience dearly. But when you come to a concern like Hitchings, who have built hundreds of houses and get the benefit of their experience without a cent of extra cost, it does seem rather odd the way some growers first plan out their houses and then call us in to build them "their way" and insist on their being "their way." Not that we

think we know it all; but why should you spend your time and cultivate worries over things that we have been all through and already successfully solved?

There was a time when houses were smaller, and competition less keen, when the growers could handle the business situation well. But that time, *so the large grower tells us*, is past. With the bigger house, demanded by bigger business, many very serious problems arise that must absolutely be based on facts and figures. Otherwise results are apt to be far from satisfactory. A mistake that costs you \$100 a year amounts to \$1000 in ten years, or actually \$1330 when you figure the interest at 6% on the accumulated amount each year.

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Vol. XX
No. 3
JULY 18,
1914

HORTICULTURE



The Convention City

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Subscription, \$1.00.

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 We believe that the above 'mums are valuable additions to the lists of commercial varieties and recommend them as such

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Pink Killarney, White Killarney, Milady, Killarney Queen, Mrs. Aaron Ward, Mrs. Taft (Bulgaria or Antoine Rivoire), Richmond, Mrs. Geo. Shawyer, at \$12.00 per 100; \$100.00 per 1000.
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2½-in. Plants.

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3½-in. Plants.

Pink Killarney, Mrs. Ward, Mrs. Geo. Shawyer, Milady at \$8.50 per 100; \$75.00 per 1000.
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Albany Cut		Cowee, W. J.	84	Heacock, Jos.	75	P.	81	nure Co.	93
Flower Ex.	86	Craig, Robt. Co.	68	Henderson, A. &	68	McKenzie, John	68	Quaker City Ma-	95
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Anderson, S. A.	81	Davenport, A. M.	68	Hess & Swoboda	80	Meyer, Chas. F.	78	Randall's Flower	81
Aphine Mfg. Co.	93	Dodge, E. L.	94	Hews, A. H. &	94	Michell's Seed	78	Shop	81
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Asmus, Geo.	82	Sons Co.	68	Hilfinger Bros.	94	Michigan Cut	84	Reld, Edw.	84
Ayres Co., S.	78	Dreer, H. A.	95	Hill, E. G. Co.	84	Flower Ex.	84	Reuter's	82
Bryson	78	Dunlop, John H.	81	Holland Nurser-	66	Millang, Chas.	86	Rice, M. Co.	81
Badgley, Riedel	86	Dysart, R. J.	84	ies	66	Montreal Floral	86	Roehrs, J. Co.	75
& Meyer	86	Eastern Chem-	93	Holm & Olson	80	Exchange	86	Roland, Thomas	68
Barrows & Son	68	ical Co.	93	Jacobs, S. & Sons	95	Moore, Hentz &	86	Rolker, A. &	94
Bayersdorfer, H.	83	Edwards Folding	84	Kasting, W. F.	84	Nash	86	Sons	67-94
& Co.	83	Box Co.	84	Co.	84	Murray, Samuel	80	Losery, The	80
Bay State Nur-	66	Elliot's, W. Sons	66	Keller, J. B. Sons	80	National Nursery-	66	Sander & Son	75
series	66	Ernest, W. H.	94	Keller, J. M. Co.	68	man	66	Sanderson Ferti-	93
Bobbink & At-	66	Esler, J. G.	95	Kentucky Tobac-	93	Nicotine Mfg. Co.	92	lizer & Chemical	93
kins	66	Eyres	81	co Product Co.	93	Niessen, Leo Co.	84	Co.	93
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J.	79	Co.	93	tion Co.	95	Oechslin, Ernest	68	Schulthels, A.	68
Boston Florist		Farquhar, R. &	79	Komada Bros.	83	Oewerkerk, P.	66	Schwake, Chas.	67
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Champion, J. N.	81	& Son	80	& Co.	84	Plantlife Co.	93	Smith & Hemen-	76
& Co.	81	Gude Bros. Co.	68-81	McConnell, Alex.	80	Poehlmann Bros.	66-81	way Co.	76
Childs, John	75	Hall Association	95	McHutchison &	68			Smith, W. & T. Co.	66
Lewis	75	Hall & Robinson	81	Co.	68				
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Chrysanthemums

Chrysanthemums like plenty of moisture at the roots, so see that they get it, but allowing them to dry out once in a while. Do not let the beds become overgrown with weeds but go over them with the hand cultivator once a week. Ventilate freely from this out. Keep all the shoots neatly tied up. Do not fail to give a good syringing twice a day, which not only helps the plants, but tends to keep down the temperature these hot days. Keep them clean of fly by fumigating often.

Care of Nephrolepis

Ferns that were planted out in benches should now be making an abundance of strong runners. When these have made a fair amount of roots they can be potted off into small pots. In a compost of new soil three parts, leaf mold two parts, sand one part, they will make roots very fast. Stand them on a bench that has some screened coal ashes, which will help to keep the roots cool. See that all are kept well watered. These ferns want just enough shade to break the strong rays of the sun. They will never do well when the air is kept too dry, so give them a light spray, twice a day, with plenty of damping down. As these plants make growth shift into larger pots and give a richer compost.

Cypripediums

Cypripediums are now in active growth and, as the roots fill the pots and pans nicely, a little weak liquid manure once a week should be applied. It is better not to use it too strong just now. A little later, as the roots become more matted, the strength can be increased a little. Avoid the use of all chemicals. A moist atmosphere during all seasons is essential to their well being. In wet weather admit air freely, otherwise the fleshy leaves are very liable to rot. Dense shading is also detrimental; just a slight coating during the hot summer months, so as to keep the foliage from scorching is sufficient. Watch the plants so they do not suffer for water but do not keep them in a wet state all the time as the compost will become sour. Ventilate freely on every favorable opportunity but avoid cold drafts. Keep the plants free from thrips by sponging occasionally with a weak solution of tobacco water, and give the house a

light fumigating once or twice every fortnight to keep off the pests.

Planting Cold Storage Lilies

When these flowers are wanted early—say from Thanksgiving until Christmas, no time should be lost in getting them potted. Do not let the bulbs remain lying around for even a short time, as they are bound to lose their vitality. They will require 5 and 6-inch pots according to their size. Give them a good compost, also plenty of drainage as they will need lots of water later on. The best place for them while they are making roots is in a cool cellar. Before they are placed here see that the compost is in a nice moist state. Cover the pots with some moss to hold the moisture until they show top growth, when they can be removed to a cold frame with some sashes over them, but leaving plenty of air on until they have made good roots, when they can be placed in a warm house.

Sweet Peas

For early flowering sweet pea seed should be sown by the end of this month. To do well they should have at least 8 inches of soil, but where you have a solid bed plant them here and you will never regret it. Whether in bench or solid bed give them a rich compost. They will grow very well in fibrous loam two parts, well rotted cow manure one part, and a little bone meal. If the space on the benches is not ready, sow in 4 or 5-inch pots and then plant out in four or five weeks. Do not let these plants dry out too much or become pot-bound, or they will not do well. When they are planted out in the house keep on plenty of ventilation both day and night, and on all fair days give them a good syringing. Just as soon as they show any signs of climbing give them supports.

Repairing Boilers and Piping

In another six or eight weeks we will need some fire heat in most of our houses. Do not neglect to see that boilers and piping are in first-class order before firing time arrives. After cleaning out the boilers give the inside a spraying with crude oil to keep them from scaling off. Where there are any leaky valves or joints see that they are made tight.

Mr. Farrell's next notes will be on the following: Care of Carnations; Easter Lilies; Freesia bulbs; Pansies; Poinsettias; Sowing Coreopsis.

SECRETARY'S HEADQUARTERS NOW IN BOSTON

Secretary John Young, of the S. A. F., is now in Boston, with headquarters at the Parker House until convention time. Space-reservations for the trade exhibition at Mechanics Building or other business connected with the convention will be given prompt attention by Secretary Young at the above address.

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CONTENTS

Page

COVER ILLUSTRATION—The Convention City; View in Franklin Park, Boston.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Chrysanthemums—Care of Nephrolepis—Cypripediums—Planting Cold Storage Lilies—Sweet Peas—Repairing Boilers and Piping— <i>John J. M. Farrell</i>	69
ROSE GROWING UNDER GLASS—The Boilers—Notes on Planting—Tying—Ventilation—Damping Down— <i>Arthur C. Ruzicka</i>	71
CLUBS AND SOCIETIES—Westchester and Fairfield Horticultural Society—New Bedford Horticultural Society—American Rose Society—St. Louis Florist Club—Massachusetts Horticultural Society—The Sea Trip from Baltimore to Boston—Newport Summer Show.....	72
Club and Society Notes.....	73
HARDY DECIDUOUS RHODODENDRONS.....	74
OBITUARY—Benjamin Durfee.....	76
SEED TRADE—Those Foreign Seed Purchases—Forcing Bulbs in Fiber.....	78
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures.....	80
Flowers by Telegraph—New Flower Stores.....	81
DURING RECESS—Knoxville (Tenn.) Florists' Society, Illustrated—St. Louis Florists—Florists' Club of Washington.....	82
Outing Cincinnati Florists—Cook County (Ill.) Florists' Association—Motored from New York to Washington—Newark Florists.....	83
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, New York, Philadelphia.....	85
St. Louis, Washington.....	87
NEW YORK FLOWER SHOW 1915.....	87
FERTILIZER EXPERIMENTS— <i>F. W. Muncie</i>	92
MISCELLANEOUS:	
A Hedge Screen of Mesembryanthemum—Illustrated.....	73
Cheap Gardeners and Why.....	75
The Gardener and Competition, Poetry.....	75
C. S. Harrison's Peony Manuel.....	75
Philadelphia Notes.....	76
Publication Received.....	77
St. Louis Notes.....	81
Chicago Notes.....	83
Visitors' Register.....	83
Personal.....	87
News Notes.....	87
Greenhouses Building or Contemplated.....	94

The big event

The big event of the year in horticultural interest—the thirtieth annual convention of the Society of American Florists and Ornamental Horticulturists—is now near at hand, only four weeks distant. Notwithstanding the full rates which must now be paid for rail-

road transportation as compared with the former round-trip concessions, it is expected by those best qualified to judge that this Boston meeting will be one of the most largely attended, if not the largest, in the society's history. The rapid increase in the membership roll within recent years, the unmistakable widening out of the field of the Society's activities and the comparatively dense population devoted to various departments of horticultural work within convenient distance of the convention city gives assurance that even from inside a 300-mile radius a record-breaking number may reasonably be counted upon, while the well-known attractions of Boston and contiguous coast resorts may be expected to draw a normal attendance from remote territory.

What Boston offers

There is no ambition on the part of the Boston fraternity to outdo or to overdo in the matter of entertainment, but no pains will be spared in the effort to make every convention visitor feel at home and, when they go away, to feel that their visit to Boston has been not only enjoyable but educational and profitable in a business way. Opportunity will be afforded for visits to gardens of great renown and commercial establishments which have set the pace for the entire country in one or another specialty. The trade exhibition, which in late years has come to be the great source of information for the trade as to the practical advancement made in all departments during the year, will be right up to standard in extent and quality, for Secretary Young states that most of the available exhibition space in the spacious Mechanics' Building has already been disposed of. The Convention Garden will be an unique exposition of outdoor floral art and garden novelties, such as but few convention cities will have the facilities for duplicating. With all these attractions already provided and with many matters of vital importance to be considered by the Society in the three days allotted in part to business, the local managers have realized the wisdom of moderation in all plans for entertainment simply. We hope to be able to present in next week's issue the complete program for the convention, together with full details of local entertainment preparations.

The poets' license

Our columns bear testimony from time to time to the poetical talents of some of our contributors. Tennyson says,

"Vex not the poets' mind;
 For thou canst not fathom it."

No, not for the world would we presume to tamper with these "well-chosen words in well-ordered lines" and so the savage "blue pencil" is securely chained whenever our horticultural bards are moved to break out in rhyme. Nobody knows the quantity of midnight oil burned as their fervid lines are fitted and built into rippling stanzas. When a man is building poetry we assure you he has no time for mischief. We tried it ourself once and ever since have sympathized with the verse artist. So, walk right up to the desk with your poems, gentlemen, and fear not.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Boilers

During the rush of planting, emptying and refilling the benches, it is a nice recreation for the men to tackle the boilers on a hot day and put them into shape for the coming winter. If the boilers have not been cleaned as yet, see that they are well cleaned and then oiled to keep them from rusting too much. It is surprising how much longer boilers will last if they are cared for during the time they are idle, for when they are in use, and are used right they do not wear as much as when they are standing neglected in the cellar, allowed to rust and rust. Any ordinary oil can be used for the purpose. Common fish oil is as good as any where it is to be had. While the work of cleaning is in progress it is best to look the boilers over carefully, and make note of any new parts that may be necessary. If any of the pipes are burned through have new pipes made at once. It will be a while coming, and when it does come it will be where you can get it on a minute's notice. After it comes better try and set all the pipes together to see if they will fit well, for sometimes they have some expert plumber make these pipes, and when you come to put them together they will all but fit.

Notes on Planting

These have been mentioned quite often, and it will hardly be necessary to go into them in detail. See that the benches are well cleaned of all old soil, and then washed out, thoroughly whitewashed with hot lime, to which a little copper sulphate has been added. Clean out under the benches so that there is no dirt for insects to hide in. We generally—always in fact—do this twice, right after the benches are emptied, and then about two weeks after planting. Iron scrapers are especially made for this purpose, and are not used for anything else. The waste matter is scraped out into the walks, and then wheeled out of the house.

Tying

When it comes to Beauties we would not advise tying these at once. They will do far better if they are allowed to lie around a little, for then they will break from the bottom far more freely than they would otherwise. They must not be allowed to lie this way too long, however, for that would prove injurious to the future of the plant. Great care should be taken in tying Beauties the first time. The buds that will produce the best bot-

tom will already be started, and if the plants are tied so that these buds will be hidden they will come out very weak as a rule, and will never make up the plant that they would if they were tied right. Do not tie them too loose to the wires, for they will slip around when they are being syringed and will be more of a nuisance than anything. It is not well to tie them too tightly either, for then they will be choking as soon as the growth that they will make strengthens a little bit. We find that if we put the string around the wire three times, instead of twice, it will help wonderfully in holding the shoots in their places. We use good string for this, too, the white string used in grocery stores, instead of the common jute that is used later on. We do not like raffia at all, although some growers claim it is cheaper than string. We find that we can get more work done in the same time with string. With Teas no tying will be necessary for a while, as the plants are better off in hot weather if left untied, instead of being bunched up to stakes.

Ventilation

The past week has been a very trying one for growers with summer flowering roses to look after. The warm foggy weather which prevailed here in the East was very bad and to ventilate properly was no job for an amateur. When it happens that way, try to keep the houses as cool as possible without letting any of the fog in by opening out the ventilators too much. Then dust the plants with a mixture of one part of lime and two parts sulphur. Do not put this on too thick, but just enough to show that the plants have had something put on. This will help prevent mildew and then as soon as the good weather comes again, this dust can be washed off by syringing.

Damping Down

Although we never advocate damping down in the rose houses, yet when it happens that a bad week like the last comes in the summer, it will be necessary to damp down, and try to keep the houses as cool as possible to prevent bad wilting, and perhaps burning of the tender leaves. All feed should be left out during these dark days and should not be applied again until the weather sets for good and clear. One day and a half will generally harden the plants to the sun again, and as soon as this happens leave out the damping down again, for a rose house is no place for such a practice, even though it is necessary in the growing of nearly everything else.

The Special Convention Number of Horticulture

WILL BE ISSUED ON AUGUST 15

This will be an issue of exceptional interest and will be widely circulated and widely read. Its value as an advertising medium for all floral and horticultural material cannot be over estimated. S. A. F. trade is always worth a special effort at Convention time. Send your order in early and it will have our best attention.

CLUBS AND SOCIETIES

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

There was a fine attendance at the meeting of the W. & F. Society, at Greenwich, Conn., on Friday eve., July 10. The Summer Show committee made their final report showing a gratifying cash balance, and together with W. J. Sealy under whose able management the exhibit was staged, received the thanks of the society. Prizes for the Fall show will be offered for outdoor and indoor grown flowers, fruits and vegetables; dinner table decorations and other floral decorative work. The exhibition will be held in Germania Hall, New Rochelle, N. Y., November 4, 5, and 6.

The annual outing will be held August 11, at Edwards' Rye Beach Hotel. Athletic sports of all kinds will be provided including football, base ball, tug of war, etc.; races and other games and pastimes will be provided for the ladies and little folks. Regarding lunch, everybody may suit themselves, there will be an excellent shore dinner provided, however, at \$1.50 a person. Those requiring tickets for the dinner will kindly notify W. J. Sealey, Portchester, N. Y., at an early date, so that ample provision may be made, and "half-portions" avoided. Games will start promptly at 10.30 A. M.

The exhibition tables were well filled. A grand specimen of the new geranium "Helen Michell" in a 4-inch pot from Alex Marshall was awarded a C. C. The same exhibitor was highly commended for a vase of climbing rose American Pillar and a cattleya hybrid; James Stuart was highly commended for a fine display of hollyhocks. A vote of thanks was awarded to the other exhibitors as follows: *Lilium auratum* from F. Lagerstem; *Achillea Perry's* White from A. Bieschke; Japan iris from John McAllister; *Lathyrus latifolius* from E. Johnson; rose Blush Rambler from A. Whitelaw; *Allamanda Shotti* from P. W. Popp. Carter & Co., Inc. offer prizes for 25 fruits of their "Sunrise" tomato at the fall show. The schedule of the fall show which will be issued soon will be very complete and good prizes of cash, also gold, silver and bronze medals, cut glass and silverware articles offered.

NEW BEDFORD (MASS.) HORTICULTURAL SOCIETY.

The regular monthly meeting of the New Bedford Horticultural Society was held in Library Hall, Monday evening, July 6.

Although it was novelty night very few new things appeared on the tables. One novelty, the Daily Mail rose, was severely criticized by some and strongly defended by others. All agreed that the color was exceptional, but some complained of weak necks. The display consisted principally of climbing roses with A. J. Fish holding first place. This grower is evidently following Heinz lead with his "57 varieties of pickles" for he has 55 varieties of climbing rose. At our recent rose show he staged 13 vases of large-flowered climbers and 10 entirely different kinds at this meeting.

WM. F. TURNER.

AMERICAN ROSE SOCIETY.

The annual change of officers in the American Rose Society dates from the first of July. At the last annual meeting Wallace R. Pierson was re-elected president, Robert Pyle, vice-president, Harry O. May, treasurer, Benjamin Hammond, secretary, and Messrs. August F. Poehlmann, J. H. Dunlop, Frank R. Pierson, S. S. Pennock, Robert Simpson were re-elected as executive committee, the only change being that of Louis J. Reuter of Westerly, R. I., taking the place of Eber Holmes of Montrose, Mass. The affiliated Rose Society of Syracuse received a silver medal and two bronze medals. At their recent rose show James M. Gilbert won the silver medal and J. A. Frank Neal and Miss Leta Gallup won the bronze medals.

The American Rose Society will have a full meeting at the Convention in Boston in August, and various matters of decided interest to every rose grower will be brought up. The Hubbard medal will be awarded during the Boston Convention, the winner being M. H. Walsh of Woods Hole, Mass., for the rose Excelsa, and John Cook of Baltimore, Md., received a silver medal for the rose Radiance, awarded at the Hartford Gardens.

In traveling over the country the past few weeks it appears that Rambler roses were never so prominently seen in all manner of places as during the present season, indicating that the use of roses for home decoration has increased wonderfully within recent years.

BENJAMIN HAMMOND, Sec'y.

ST. LOUIS FLORIST CLUB.

The Florist Club held a very interesting meeting on Thursday afternoon, July 9, with the largest attendance of the year. The trustees reported final settlement of the late banquet and also reported everything in readiness for the annual picnic. The club appropriated the usual amount for expenses. R. J. Windler, state vice-president of the S. A. F., reported that the fare to the Boston convention will be \$35 for the round trip from here to Chicago, thence to Boston on the "President's special" with the Chicago Florists' Club. The following members were nominated for the different offices: President, Jules Bourdet; vice-president, W. S. Wells; secretary, J. J. Beneke; treasurer, William C. Smith; trustees, William C. Young, Gust. Grossarts and W. A. Rowe. Other nominations can be made at the next meeting when the election will be held.

Quite a lengthy discussion arose as to holding of the meetings at night to which the out-of-town members greatly objected. The matter will be further discussed at the next meeting.

During the afternoon the trustees handed out cigars and all spent a pleasant few hours. The next meeting takes place August 13th.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The Sweet Pea Show, held at Horticultural Hall, Boston, on July 11 and 12 attracted a large crowd of admirers. In the general classes for sweet peas the prizes were awarded mostly to Mrs. W. B. Leeds, Charles Pfaff, Miss Fanny Foster and Mrs. Lester Leland. For the best decoration of sweet peas Penn the Florist was 1st and Boston Cut Flower Co., 2nd. There was quite a list of amateur classes which were creditably filled. R. & J. Farquhar & Co. made a grand display of herbaceous garden bloom which won for them a silver medal. Mrs. J. M. Sears was awarded a certificate of merit for a collection of superb delphiniums, and Mrs. Lester Leland a cultural certificate for achimenes. In addition to the foregoing there were displays of hardy flowers from Old Town Nurseries, Eastern Nurseries, Miss Cornelia Warren and others, H. T. roses from A. W. Preston, *Lilium Hansonii* and delphiniums from Wm. Whitman, Japan iris from T. C. Thurlow's Sons Co., gladioli from Mrs. Frederick Ayer, etc.

THE SEA TRIP FROM BALTIMORE TO BOSTON.

Richard Vincent, Jr., writes as follows concerning this interesting convention trip:

My Dear Sir—I think that the promise of a large party per ship from Baltimore to Boston will be fulfilled. We have a number booked from Baltimore and Washington is looming up with Gude in the lead. Our friends from Pittsburgh will be well represented, so altogether we expect to fill the ship. We leave Baltimore Friday evening, Aug. 14, at 6 P. M., and next morning, 6 A. M. at Newport News, from whence we will take the trolley to Old Point, taking lunch at the Hotel Chamberline, crossing later on to Ocean View, possibly Cape Henry and Virginia Beach, getting on our steamer again at Norfolk at 6 P. M., and arriving in Boston Monday morning, August 17. This is expected to be one of the best outings our people have ever had; at least, that is my aim.

NEWPORT SUMMER SHOW.

The Newport Horticultural Society and the Newport Garden Club are making active preparations for a joint show on August 13, 14 and 15 at Belcourt which is one of the estates of Mrs. O. H. P. Belmont. The location of this place is between Bellevue avenue and Ledge road near the famous Bailey's Beach. Most of the exhibits will be arranged about the lawn, but the more tender things such as greenhouse plants will be staged in the large court of the spacious mansion of Belcourt.

The schedule of exhibits, which will be ready soon, includes a large variety of horticultural products, with premiums which should bring out good competition from far and near. The committee of arrangements from the Horticultural Society also gives promise of a successful exhibition, as its member-

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FRANCIS HOWE, Proprietor.



ship includes President McKay, Secretary Gray, Oscar Schultz, A. S. Meikle, A. MacLellan, James Bond and J. B. Urquhart, along with live members of the Garden Club. The Garden Club is composed mostly of owners of the large Newport estates and who are enthusiastic in the advancement of horticulture.

J. R.

CLUB AND SOCIETY NOTES.

At the meeting last Monday evening, the choice of the Cincinnati Florists' Society for officers for the ensuing year was—President, Jas. Allen; vice-president, Max Rudolph; secretary, Alex Ostendarp; treasurer, Chas. H. Hoffmeister; Director, J. A. Peterson. On the first ballot James Allen and Ed. Schumann were tied, the latter then withdrew in the former's favor.

The monthly meeting of the New London Horticultural Society was held on the 9th inst. and was devoted to sweet peas of which there was a good display. Alfred Flowers gave a paper on the culture of sweet peas outside. The sweet peas are not so early around here this year as they have been other years, but those sown inside and planted out are doing fine.

H. L.

The Albany Florists' Club held their July meeting Thursday evening, July 2, at the home of Fred Goldring, a former president, at Font Grove. The club voted to hold its annual clam-bake at Newtonville on Saturday, Aug. 15. Fred A. Danker was named treasurer of the bake committee and R. D. Griffin chairman of the committee to secure carryalls. The club accepted the invitation of President Fred Henker to hold the next meeting at his place near Newtonville on Aug. 6.

Dates for the sixth annual fall flower show of the Pasadena Horticultural Association have been set. The event will be held October 22, 23 and 24. The place for holding the show has not been definitely settled on by the flower show committee. In all probability the display will be held in a big tent at the southeast corner of Colorado street and Los Robles avenue. Heretofore the fall shows have always been held at the Maryland hotel amphitheatre.

A HEDGE SCREEN OF MESAMBRYANTHEMUM.



A hedge composed of these tiny star-shaped pink blossoms, 20 feet in height and 1155 feet long, will extend for two city blocks on either side of the main entrance to the grounds of the Panama-Pacific International Exposition.

The manner of building this hedge is very ingenious. The plants are grown in boxes containing only two inches of soil, across the top of which wire screening is fixed to hold plants and soil in place. When the plants have reached a sufficient growth, the boxes are tilted upright, so that the roots are fixed in an absolutely vertical soil. A sort of wall is then builded of the boxes, much as though they were huge bricks or stones. The effect

is of a vertical cliff or hedge of living green and pink. The photograph shows the framework to which the boxes are secured, and the manner of constructing the hedge, but gives little idea of its beauty.

This wall of flowers will be broken at intervals by pilasters, with pedestal and capitals in architectural dimensions, which will also be covered with the same screen of living plants. A pipe running along the top of the framework will supply water to the plants in such a manner that they will have the appearance of being gemmed with dewdrops. Donald McLaren, acting director of exposition landscaping, is designer of this hedge.

Owing to the fact that the new hotel will be in course of construction this fall, it was decided at the meeting of the executive committee last night to hold the show at some other place. The schedule has been adopted by the committee and will be ready for the

public July 10. New classes have been added and no trouble will be spared in making the coming show the largest and most successful that has ever been held in Southern California. Chrysanthemums and dahlias will undoubtedly be the center of attraction.

HARDY DECIDUOUS RHODODENDRONS.

Extract from Bulletin No. 58 of the Arnold Arboretum.

Six of the species of Rhododendrons with deciduous leaves (Azalea) of eastern North America are well established in the Arboretum, and no group of plants perfectly suited to our climate surpasses them in beauty. The first of these plants to bloom, *R. vaseyi*, opens its small pink flowers early in May before the leaves appear. This azalea is an inhabitant of a few of the high valleys of the Blue Ridge in North and South Carolina and had been entirely overlooked until some thirty years ago. It is a plant of loose irregular habit, sometimes growing to the height of fifteen or eighteen feet, although in cultivation it begins to flower when less than a foot high. It is perfectly hardy, and the pure perfect pink of its flowers is hardly equalled by that of the flowers of any other plant. There is a form of this azalea with white flowers. It grows best in rather moist soil in the neighborhood of water, and single individuals generally look better than the large masses sometimes seen in public parks.

Not much later two other pink-flowered species are in bloom, *R. canescens* and *R. nudiflorum*; the former is a more northern and the latter a more southern species, although the two often grow in the same locality. Both produce pale rose or pink flowers of various shades which appear before the leaves or just as they begin to unfold, and their general appearance is very similar. These plants grow singly or in great masses on treeless hillsides or in open woods. *R. canescens* is very abundant in some parts of Worcester County, Massachusetts, and the bundles of branches covered with pink flowers which excursionists on the northern railroads bring into Boston in May are of this species. These two Azaleas take kindly to cultivation and thrive in good soil in either shady or open situations.

The next of these Azaleas to flower is the yellow Azalea of the Appalachian Mountain slopes, *R. calendulaceum*. The beauty of the brilliant flowers is heightened by contrast with the dark green leaves which are well grown before the flowers open; these vary from bright yellow to orange or shades of red and are not surpassed in brilliancy by those of any other Azalea now in cultivation. *R. calendulaceum* is a slow-growing but long-lived plant, and in time will reach a height of eight or ten feet. There is a large mass of these plants in the Arboretum, showing the variations in the color of the flowers and a number of individuals are scattered in border-plantations along the different roads. The flowers of the yellow Azalea are soon followed by those of another inhabitant of the glades of the Appalachian Mountains from Pennsylvania to Georgia, *R. arborescens*. This is a tall shrub with large, pure white, very fragrant flowers, the beauty of which is increased by the bright scarlet color of the long filaments of the stamens and of the style. The pale leaves of this plant are fully grown before the flowers open. The last of these Azaleas to bloom (*R. viscosum*) will not be in flower for several weeks. It is a com-

mon inhabitant of low wet ground in the eastern part of the country, and is popularly known as the Swamp Honey-suckle. The small white flowers continue to open during many weeks and their fragrance, which is greater than that of the other Azaleas, makes known their presence especially in the evening, from a long distance.

Seedlings of two other American species have been raised at the Arboretum, but it is too soon to judge of their value as garden plants. They are *R. austrinum*, with slender pale pink flowers appearing before the leaves, a native of the valley of the Apalachicola river in Western Florida, and *R. candidum*, from Southern Georgia, with white or pale pink flowers appearing after the leaves. There is another Azalea to introduce into the gardens. This a native of central Georgia where, in some localities, it is very abundant in open woods. Discovered by Michaux, the French botanist, more than a century ago and confounded by him and all later authors with *R. calendulaceum*, it has been called the variety *flammeum* of that species. From *R. calendulaceum*, however, this plant, which should be called *R. flammecum*, differs in its winter-buds, in the size and shape of the flowers and in the fact that the flowers open before the leaves. The flowers on different plants vary from yellow to deep orange and to scarlet; and the flowers of no other Azalea compare in brilliancy with some of the deep-colored forms of this Georgia plant, which it is reasonable to hope may prove hardy here as several plants from the same general region are well established in the Arboretum. The beautiful, white-flowered Azalea (*R. occidentale*) from the borders of streams on the western slopes of the Cascade and Sierra Nevada Mountains of the west has not yet proved hardy here probably because just the right place has not been found for it.

These native Azaleas are handsomer, hardier, and in every way more satisfactory than the so-called Ghent Azaleas which are hybrids of some of our species with the Caucasian yellow-flowered Azalea (*R. flavum* or *Azalea pontica*). This plant is not hardy here, and its influence on the Ghent hybrids has been unfortunate so far as this country is concerned. Many of these hybrids are beautiful flowering plants; some are quite hardy but most of them show evidence of a poor constitution; they grow slowly and suffer in severe winters, and none of them have the vigor of their American parents. These Ghent hybrids are raised by grafting in great quantities in European nurseries and many of them come to this country. It is impossible, however, to obtain the native plants in large quantities. Occasionally plants collected from the woods are offered for sale, but these collected plants are always less desirable than nursery-raised seedlings which are rarely to be found; and the American nurseryman who will take up the raising of seedling American Azaleas on a large scale will confer a benefit on American gardens.

Leonard Barron tells us that *Lilium myriophyllum* does splendidly at Garden City, N. Y., where the soil is decidedly unfavorable for lily growing



Mignonette BODDINGTON'S MAJESTY

THE finest of all the Fancy Varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety.

Trade Packet 60 cts., 1/8 ounce
\$1.00, ounce \$7.50.

**ARTHUR T.
BODDINGTON**

SEEDSMAN

342 West 14th St., - NEW YORK
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EXTRA LARGE SPECIMENS FOR JULY AND AUGUST FLOWERING

We have some of the largest, finest, and most perfect specimens of hydrangeas in half barrels that we have ever seen. Plants are just coming into bloom, and are beautiful symmetrical specimens covered with bloom, each plant having from one hundred to two hundred flowers. We have over three hundred of these fine plants in shape for immediate shipment, and every plant is a perfect specimen. There is nothing so magnificent for summer decoration as these large hydrangeas. They are very showy.

\$7.50, \$10.00 and \$15.00 each—according to size and number of blooms.

WINTER-FLOWERING ROSES

If you have not secured all the stock that you can use for planting for winter-flowering, we still have a very fine stock of the following varieties, which we can offer in perfect condition, ready for immediate shipment. Stock is gilt-edged in every way—extra strong, heavy plants from 4-inch pots. If you can use any, we will be glad to quote low rates. Write us the number you can use, and we will quote by return mail.

KILLARNEY Brilliant, Killarney Queen, Pink Killar-

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

ney, American Beauty, Lady Hillingdon, Richmond, Mrs. Chas. Russell, Mme. Cecile Brunner, or Mignon, or Sweetheart.

FERNS

There is nothing better for summer use than the fine varieties of NEPHROLEPIS. We offer a nice stock of the following varieties, well established plants ready for immediate shipment.

Nephrolepis elegantissima (The Tarrytown Fern), 3½ inch, 25c. each; 6-inch, 50c. each; 8-inch, \$1.00 each.

Nephrolepis magnifica, 3½ inch, 25c. each.

Nephrolepis muscosa, 3½-inch, 25c. each; 5-inch, 50c. each.

Nephrolepis Harrisii, 6-inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Nephrolepis Bostoniensis, 6-inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Pteris Wimsettii multiceps—a fine hardy fern—3½-inch, 15c. each.

Small Ferns for Fern Pans. A fine assortment. 2½-inch, \$4.00 per 100.

CHEAP GARDENERS AND WHY.

Dear Editor:

In reading the essay on The Reason for Cheap Gardeners, written by an assistant, one can't help but realize that the author seems to think that even after fifteen years' experience an assistant isn't necessarily competent. Would that man ever be competent? We realize that in all branches of work there are men who never prove themselves a credit to their avocation. Where is the man who has spent a life time at gardening that can sit back and say—I know it all? There is the monotony that dulls and deadens and to start something is the only relief.

Surely after serving a fifteen years' apprenticeship an assistant must be worthy enough to strike out for himself. The only way to test the matter is to make a beginning; to start. An extract from Stevenson that may fire our worthy friend with a little more ambition is this: "For God's sake give me the young man with brains enough to make a fool of himself." He wanted to see in the world young men with brains enough to start something, to make an essay of their powers. Most of our great men have made false starts and have been derided for their pains but in every case they have had sense enough to see their mistakes and profit by them. Rather than blame the assistants for the existing conditions why not look the matter straight in the face and lay the blame in its proper quarters—namely, your competent gardeners and your so-called Horticultural Societies.

We hear men shout, "have the interest of your profession at heart." They seem to lose sight of the fact that for an employer to have the interest of any thing at heart, he must also have the interest of his employees somewhere in that neighborhood. Who but your discredited assistant is to carry on the work of your competent gardeners of the present day after they have added their little page to history? For some of our so-called horticultural societies a more fitting name would be a monthly smoker. On visiting a few of them the fact is forced upon one that they are little more than a mere meeting-place for the exchange of the latest stories and the same are not always pertaining to gardening. On most occasions there are a few exhibits. Mr. so-and-so is awarded a culture certificate for such a plant. On being asked to tell the members what he has done to raise the plant to that stage of

perfection, he will give you a heart breaker like this: "Oh I don't know that I have given it any special treatment, watered when it needed it, gave it a bit of fertilizer now and again, etc." A lot of encouragement to the assistant who has been looking after that plant with all the care and attention he possessed, very often in his own time, with the hope of getting something worth looking at. If your present day gardeners have gained success in this slipshod manner what is to hinder the assistant from accomplishing the same ends? Arnold Bennett spoke wisely when he said "You cannot gain anything by merely thinking about it, for after the necessary period of consideration, of incubation, as it were, a start must be made."

ANOTHER ASSISTANT.

THE GARDENER AND COMPETITION.

Friend Millar, as it seems to me,
You fearing competition—
Will find yourself on Union scheme,
Up-building class partitions.

In gardening, that would never pay,
Just proving an obstruction;
Nature points out a better way
Which needs no introduction.

The facts are fairly brought to view
By our new friend "Assistant."
That merit wins; forever true
If only we're persistent.

Let's not compete with men below.
In either rank or station;
To those above us, let's bestow—
Aid to up-build the nation.

Each man a place, each in his place—
Respecting one another;
For poverty is no disgrace.
And each man is our brother.

ALEXANDER MACLELLAN.

July 11, 1914.

C. S. HARRISON'S PEONY MANUAL.

C. S. Harrison of York, Nebraska, has a new finely illustrated and up-to-date edition of his Peony Manual ready for the press. We have seen some samples of the illustrations and they are excellent. The two previous editions of the Manual—5,000 copies—are now exhausted. Mr. Harrison informs us that the old price—25 cents in stamps with 50 per cent off by the 100 to the trade will be adhered to.

ORCHIDS

Established Plants and
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WYNCOTE, PA.

VINCA VAR.

4 in. Heavy and Long.....\$14.00 per 100
4 in. Medium Long..... 12.00 per 100
4 in. Stocky 10.00 per 100

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Mention HORTICULTURE when writing.

FOR FALL DELIVERY.

GERMAN IRIS in Endless Varieties.
LILIUMS HENRYI AND TENUIFOLIUM
in Endless Quantities.
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FLOWERFIELD, L. I., N. Y.

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We have unpacked the following in fine condition. **CATTLEYSAS:** Percivalliana, Gaskelliana, speciosissima. **DENDROBIUMS:** Formosum, Wardianum, nobile, densiflorum, Schuitzi. **VANDAS:** Coerulea, Batemannii, Luzonica, Imsehootiana. **PHALAENOPSIS:** amabilis, Schilleriana. *Spathoglottis plicata*.

Write for Special List No. 55.
LAGER & HURRELL, Summit, N. J.

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Largest Importers, Exporters, Growers
and Hybridists in the World
SANDER, St. Alban s, England
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PRINCESS. 20—The New Upright Pansy

This strain is entirely distinct from all others. It is absolutely compact, upright growing, and extremely weather-proof, enduring many storms without damage to its flower. The flowers are mostly blotched and frilled like the Masterpiece, of good form and heavy velvety texture, on heavy stems carried well above the foliage. Attractive by the brilliancy of its colors.

500 seeds, 25c; 1000, 50c; 1/4 oz., \$2.50; 1 oz., \$10.00.

- 33 Bronze—Brown and copper shades mixed.
- 36 Fancy Rich colors, mostly margined.
- 38 Mme. Perret—Red and wine shades.
- 40 Zebra—Fine striped mixture.
- 42 Adonis—Light blue, white center.
- 44 Black—Almost coal black.
- 46 Black with bronze center.
- 48 Lord Beaconsfield—Purple shaded white.
- 50 Bronze—Beautiful bronze.
- 52 Bronze with yellow center.
- 54 Velvet Brown with yellow center.
- 56 Havana Brown.
- 58 Havana Brown with yellow center.
- 60 Cardinal—Curled, bright red, dark blotch.
- 62 Cecily—Steel blue, margined white.
- 64 Goliath—Large curled yellow blotched.
- 66 Hero—Curled, deep blue shaded white.

The KENILWORTH Giant Pansy

seeds are all grown by myself and are offered in the following mixtures and separate colors.

- 22 **KENILWORTH STRAIN**—The flower of perfect form and substance; many of the immense flowers are fringed with blotches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.
- 24 **KENILWORTH SHOW**—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.
- 26 **KENILWORTH CUT FLOWER MIXTURE**—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.
- 28 **MASTERPIECE**—A remarkable type; the curled, wavy petals giving the flower a double appearance, large flowers of great substance, on long, strong stem.
- 30 **GIANT THREE AND FIVE BLOTCHED PANSIES**—A superb mixture. Flowers large and of circular form and of great substance. The display of coloring is unsurpassed. A combination of almost every shade of rich velvety colors, reds are particularly conspicuous; the petals being distinctly marked with three or five large dark blotches.

NEW SEED NOW READY.

All sorts and mixtures, except the new Pansy Princess, are \$5.00 per oz., \$1.25 per 1/4-oz.; 5000 seeds, \$1.00; trade packet of 1000 seeds, 25 cents; any 5 pkts., \$1.00. Please order by number.

- | | |
|---|---|
| 68—Emp. William—Ultramarine blue, violet eye. | 118—Psyche—Curled white, five blotches. |
| 70—Eros—Velvety brown, yellow margin. | 120—Pres. Carnot—White, five blue blotches. |
| 72—Emp. Franz Joseph—White blotched blue. | 126—Red A collection of rich red shades. |
| 74—Emp. Frederick—Maroon with gold edge. | 128—Red Riding Hood—Curled and blotched. |
| 76—Fairy Queen—Azure blue, white edge. | 130—Rosy Morn—Purple crimson, white edge. |
| 78—Freya—Purplish violet, white edge. | 132—Striped on lilac ground. |
| 80—Gold-Edge—Velvety brown, gold edge. | 134—Striped on bronze ground. |
| 84—Superba—Orchid tints of red and wine. | 136—Victoria—Blood red, violet blotches. |
| 86—Sunlight Yellow with brown blotches. | 138—White—Large satiny white. |
| 88—Andromeda—Curled apple blossom. | 140—White with violet blotch. |
| 90—Colossea—Vinous—Light veined shades. | 142—Yellow—Large golden yellow. |
| 92—Almond Blossom—Delicate rose. | 144—Yellow with dark blotch. |
| 94—Aurora—Terra cotta shades. | 146—94 to 144 mixed in equal proportions. |
| 96—Mammoth—Greenish yellow shades. | |
| 97—The above 7 named Orchid mixed. | |
| 98—Indigo Blue—Deep velvety blue. | |
| 100—Light Blue shades. | |
| 102—Minerva—Red ground, violet blotched. | |
| 104—Meteor—Bright red brown. | |
| 106—Pres. McKinley—Yellow, dark blotched. | |
| 108—Mahogany with white margin. | |
| 110—Mahogany with yellow margin. | |
| 112—Mourning Clock—Black with white edge. | |
| 114—Purple—Large rich deep color. | |
| 116—Peacock Blue, rosy eye, white edge. | |

For fuller description send for catalogue.

RAINBOW is a mixture of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send, free, 1000 seed of Rainbow, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

PHILADELPHIA NOTES.

Philadelphia was represented in the Lancaster County Florists' Club picnic at Mt. Gretna on the 16th inst., by Messrs. Pennock, Liggett, Watson, Meehan, Connor and others. It is some compliment to a provincial club when it can show virility and class enough to attract the presence of metropolitans at its gatherings. A lot of work goes before that condition is reached, and it also speaks eloquently of the personnel of the officers, both past and present.

We had two distinguished visitors in our midst last week, John K. M. L. Farquhar of Boston, ex-president of the S. A. F.; and Thomas Roland of Nahant, Mass., one of the champion growers of this generation. Mr. Farquhar came to see the Burpee sweet pea trials at Fordhook. Mr. Roland came to see his old friend Robert Craig and his great plant growing establishments at Philadelphia and Norwood. Both gentlemen had a busy two days and were whirled around by train and auto in the most approved, modern and express style. On Friday evening the party of eight were the guests of Louis Boss, a famous Philadelphia lawyer, at the

magnificent new building of the Manufacturers' Club. When great men came to town in the past the Union League used to be the *Ultima Thule*. But it takes a back seat now to the Manufacturers', the last word in clubdom. Howard M. Earl and George W. Kerr did the honors for Mr. Burpee who is at present in Europe. John Westcott and others were on hand to represent the general horticultural interests of the city. We all tried to show the visitors how glad we were to see them and our only regret is that they could not stay with us a little longer.

Visitors—Albert Merwarth, Easton, Pa.; George M. Bassett, Hammononton, N. J.; Frank Yeatman and Jos. Way, Kennett Square, Pa.; P. De Muth, Conellsville, Pa.

OBITUARY.

Benjamin Durfee.

Benjamin Durfee of Washington, D. C., died July 12 at the summer home of his niece, Miss Lillian A. Dexter, on Great Neck, Marion, Mass., aged 67 years. He had been ill for some time as the result of a shock.

Mr. Durfee was statistical clerk of the U. S. Senate for many years. In addition to his official position, he conducted an extensive florist establishment in Washington, and during the early years of the Society of American Florists was an active and influential member of that body, serving on the executive committee in 1893-'94-'95. He leaves a widow and three daughters and a sister, Mrs. Susan G. Dexter of New Bedford, Mass.

More Red Devil Cutters Used Annually Than All Others Combined



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SEND FOR BOOKLET ANYHOW.

Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our **CHALLENGE PANSY** seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the big grade of flowers, color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains of the leading Pansy Specialists in the world, the Giant self colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion the finest that money can buy the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance?"

1/2 trade pkt. 25 cts., trade pkt. 50 cts., 1/8 oz. 75 cts.,
1/4 oz. \$1.50, 1/2 oz., \$2.75, oz. \$5.00.

1914 NOVELTY PANSY SIM'S GOLD MEDAL MIXTURE

Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim (renowned for Sweet Peas), Cliffondale, Mass., and we are offering seed from the originator for the first time. Trade pkt. 75 cts., 3 pkts. for \$2.00, 1/8 oz. \$3.50.

Boddington's Quality "English" Pansy

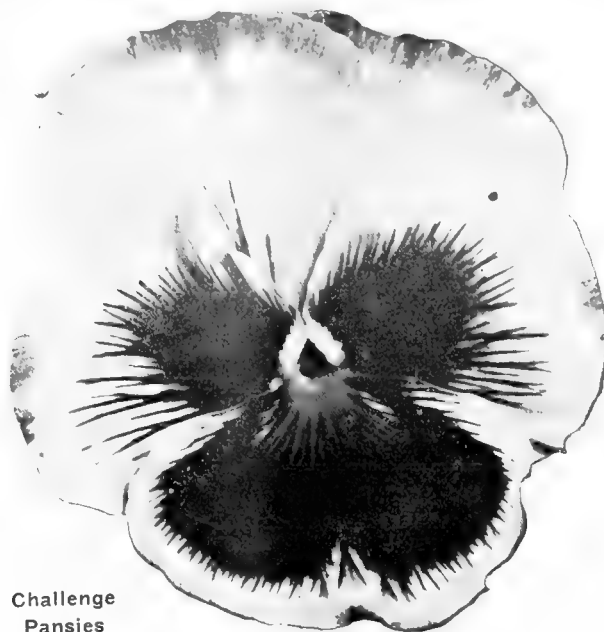
A superb strain of highly-colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms, and strongly recommends this mixture to florists.

Trade pkt. (500 seeds), \$1.00; 1/2 trade pkt. (250 seeds), 50c.
1/4 oz., \$2.25; 1/2 oz., \$4.25; oz., \$8.00.

Other Choice Varieties of Giant Pansies

	Tr. pkt.	1/4 oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist.....	.50	2.75	10.00
Giant Trimardeau. Mammoth flowering, and in a good range of color.....	.15	.50	1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved; exquisite colors.....	.25	1.25	4.00
Cassier's Giant. A fine strain of large, highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.15	.75	2.50
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamois, etc.	.25	1.75	4.00



Challenge Pansies

	Tr. pkt.	1/4 oz.	Oz.
Giant Emperor William. Ultramarine blue, purple eye.....	\$0.10	\$0.50	\$1.50
Giant Golden Queen. Bright yellow; no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow; brown eye.....	.15	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large, dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.15	.75	2.50
Giant Pretiosa. Crimson rose, white margin, violet blotch.....		1.25	4.00
Giant Rosy Lilac.....	.15	.60	2.00
Giant White. Violet spot.....	.10	.60	2.00

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	.25
BRIDESMAID. Giant flowers of rosy white.....	.25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	.25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine.....	.25
PSYCHE. Violet, bordered white; beautifully waved petals.....	.25
PEACOCK. All the name implies; a most beautiful varicolored variety; peacock blue, edged white.....	.25
RUBY KING. Superb crimson and red shades.....	.25
SNOWFLAKE. Pure white; immense flower.....	.25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	.25
Collection of the above 10 varieties, one packet each, for \$2.00.	

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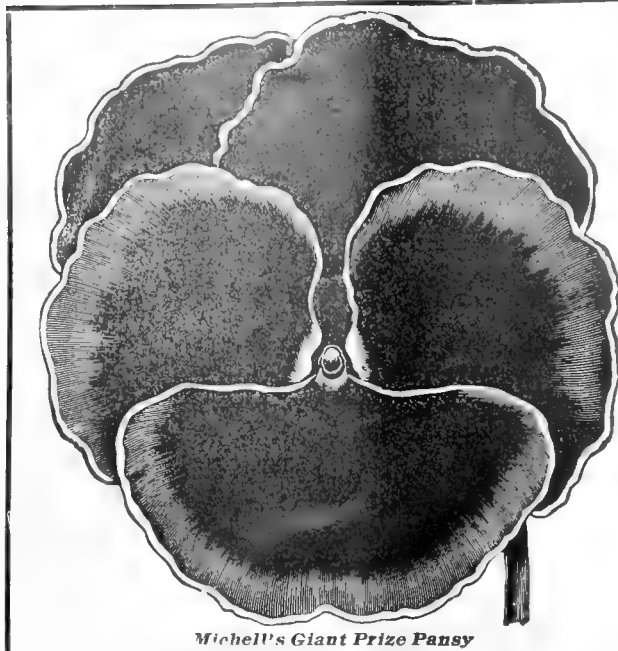
Arthur T. Boddington, Seedsman, 342 West 14th St. NEW YORK

PUBLICATION RECEIVED.

Commercial Sweet Pea Culture, by A. C. Zvolanek, Lompoc, Cal.—This 50-page pamphlet is likely to be in large request and it is the last word on modern sweet pea culture "by the originator of every winter-flowering

sweet pea in commerce." How to grow sweet peas successfully in greenhouse and outdoors, how to pick, keep and ship the flowers, are topics fully covered. A complete history of the origin and development of the new race is given and a number of portraits of new sorts are included.

Conshohocken, Pa.—Willis J. Baldwin has purchased the business of Winfield S. Harry, and rented the store and greenhouses, which he will continue to operate. W. S. Harry has been in the business for 50 years—not only as a florist, but has also done a large seed business.



Michell's Giant Prize Pansy

New Crop MICHELL'S New Crop GIANT PANSY SEED

GIANT EXHIBITION MIXED. A Giant Strain which for size of bloom, heavy texture and varied colors and shades cannot be surpassed. Half trade packet, 30c.; trade packet, 50c.; 1/2 oz., 75c.; per oz., \$5.00.

	Tr. pkt.	Oz.
GIANT PRIZE AZURE BLUE.....	\$0.10	\$1.75
GIANT PRIZE BLACK BLUE.....	.40	1.75
GIANT PRIZE EMPEROR WILLIAM. Blue.....	.40	1.75
GIANT PRIZE HORTENSIA RED.....	.40	2.50
GIANT PRIZE KING OF THE BLACKS.....	.40	1.75
GIANT PRIZE LORD BEACONSFIELD. Purple violet.....	.40	1.75
GIANT PRIZE PEACOCK. Blue, Claret and White.....	.40	2.50
GIANT PRIZE SNOW QUEEN. Pure White.....	.40	2.50
GIANT PRIZE STRIPED AND MOTTLED.....	.40	2.50
GIANT PRIZE WHITE WITH EYE.....	.40	2.50
GIANT PRIZE PURE YELLOW.....	.40	2.50
GIANT PRIZE YELLOW WITH EYE.....	.40	2.50

Also all other Seasonable Seeds and Supplies which are Described in our Wholesale Catalogue and Price List. Send for one if you haven't received it.

HENRY F. MICHELL CO.

518 Market St., PHILA., PA.

SEED TRADE

Those Foreign Seed Purchases.

The widely disseminated news of the 44-ton purchase from Kelway & Son, Langport, England, by the U. S. Department of Agriculture for free distribution, has been the occasion of considerable comment and the expression of varying views by the trade and by the newspapers and magazines throughout this country. We clip the following from the Albany Journal as showing that the explanation given for the Department's course is regarded as lacking frankness and needed detail:

"Naturally curious to know why the Government of the United States so greatly favors foreign producers of seeds, this newspaper addressed a letter to Secretary Houston of the Department of Agriculture, quoting the essential facts from the above article and making this request:

"Will you kindly inform us whether it is necessary to favor foreign firms, whether it is impossible to purchase these seeds in the United States; or otherwise, why the purchases are made abroad?"

In reply to that communication Acting Secretary Galloway says:

"In placing its orders, the Department has always followed the policy of favoring American growers so far as is consistent with good business practice. Many kinds of vegetable and flower seeds are produced almost exclusively in Europe, and where such seeds are involved our purchases are made with a view to serving the best interests of the Department."

Answer to the question whether, these seeds, that is, the forty-four tons bought from Kelway & Son, and the unspecified quantities purchased from other European firms, could not be purchased in the United States, is omitted.

Only the information is vouchsafed that, many kinds of such seeds are produced almost exclusively in Europe; that American growers are favored so far as is consistent with good business practice, and that when seeds produced almost exclusively in Europe, are involved, purchases are made with a view to serving the best interests of the department.

There might be difference of opinion as to the quality of the good business practice with which the favoring of American producers is consistent only to a point beyond which 88,000 pounds of seeds--and other quantities not made publicly known thus far--remain to be purchased in foreign countries. There will be those who will contend that the purchase of every pound

of seed in the United States would be the best business practice.

That purchases are made, when certain kinds of seeds are involved, with a view to serving the best interests of the Department, is vague information.

The acting secretary could have answered the questions directly, plainly and fully, with half the words that he used to give a partly evasive reply. But perhaps the view is taken in Secretary Houston's department that the public is not entitled to be informed exactly why foreign producers are so largely favored when seeds are bought for free distribution in the United States."

Forcing Bulbs in Fiber.

A. T. Boddington of New York is encouraging his customers to grow bulbs in the house in fiber instead of soil. With this end in view he has offered in his catalogue special collections for this purpose and prizes--five in all--from \$10 down to \$2 for photographs of bulbs grown and flowered in fiber. The winning photographs in last season's contest show some very successful entries and they will appear in the 1914 Fall Garden Guide, published about September 1.

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100,000 Calla Lily Bulbs

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Let us estimate that order
Satisfaction guaranteed

MAGNUM BONUM NURSERY, Holland, Mich.

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All the leading colors of both Standard and Giant varieties. Send for complete list

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Lompoc, Cal.

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

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SALVIA--Splendens, Bonfire.

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VERBENA--SWEET PEAS.

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ASPARAGUS

Plumosus	Nanus
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Dwarf Double Pearl
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BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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J. W. Edmundson, Mgr.

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NEW CROP SEEDS

FOR FLORISTS

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Farquhar's

Universal

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Crop**



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Order early
as our stock is
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Farquhar
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POT GROWN

New and Standard Varieties. Ready for Shipment June 15th

Write for our midsummer Price List mailed free

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"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

Of Interest to Retail Florists

Fargo, N. D.—E. G. Lemke has pur-
chased W. B. Shotwell's interest in the
Grand Forks Floral Company.

Fond du Lac, Wis.—Jacob Schmid
has leased for three years the range
of the Fourth Street Greenhouse Co.

San Francisco, Calif.—The Art Flor-
al Company and Julius Eppstein of
Geary street, have consolidated. Their
main store will be located at Powell
and Geary streets.

James Dalglish, with J. H. Small &
Sons, will leave next week, accompa-
nied by his family, for East Arlington,
Vt., where for the two weeks following

STEAMER DEPARTURES

Allan.

Pretorian, Boston Glasgow July 31

American.

New York, N. Y. S'hampton July 24

St. Paul, N. Y. S'hampton July 31

Atlantic Transport.

Minneapolis, N. Y. London July 25

Minnewaska, N. Y. London Aug. 1

Cunard.

Laconia, Boston Liverpool July 21

Aquitania, N. Y. Liverpool July 21

Eltonia, N. Y. Melittoran July 25

Carmania, N. Y. Liverpool July 29

French.

La Touraine, N. Y. Havre July 22

La Savoie, N. Y. Havre July 29

Hamburg-American.

Cleveland, Boston Hamburg July 21

Pretoria, N. Y. Hamburg July 23

Pres. Grant, N. Y. Hamburg July 30

Holland-America.

Noordam, N. Y. Rotterdam July 21

Ryndam, N. Y. Rotterdam July 28

Leyland.

Winifredian, Boston Liverpool July 25

Devonian, Boston Liverpool Aug. 1

North German Lloyd.

K. W. der Grosse, N. Y. Bremen July 21

Knip'n'n Ceille, N. Y. Bremen July 28

Red Star.

Finland, N. Y. Antwerp July 25

Zeeland, N. Y. Antwerp Aug. 1

White Star.

Adriatic, N. Y. Liverpool July 23

Majestic, N. Y. S'hampton July 25

Cymric, Boston Liverpool July 28

Baltic, N. Y. Liverpool July 30

he will endeavor to get some good fish-
ing and rest after a very busy season.

Washington, D. C.—Placards illus-
trated with the figure of a woman in
airy costume holding a horn-of-plenty
from which coins are dropping, done in
colors, and bearing the words "Tues-
day Opportunity," are being distributed
among the stores by the Washington
Star in a campaign to extend Monday's
bargains into the following day. Near-
ly all the florists are using these pla-
cards in their windows, featuring some
one variety of flowers, plants or jar-
dinieres, and are finding that these are
bringing results. Of course the cam-
paign is being given considerable pub-
licity in the columns of this newspaper
and the placards are also being re-
printed therein.

ALEX. McCONNELL

611 FIFTH AVENUE
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Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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Lockport, Tonawanda, Lancaster and
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Deliveries to Steamers and all Eastern Points



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Auto delivery of Designs and Flowers to
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Stock and Work First Class

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AND WALDORF-ASTORIA.

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Flowers or Design Work
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825 ST. CATHERINE ST., W.

P. McKENNA & SON
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MONTREAL, CANADA
We give Special Attention to Telegraphic
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Leading Retail Florists Listed by
Towns for Ready Reference. Orders
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to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn, the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.
New London, Conn.—Reuter's.
New Haven, Conn.—J. N. Champlin, 1026
Chapel St.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.
New York—A. Warendorff, 1193 Broad-
way.
New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
St. Paul, Minn.—L. L. May & Co.
Stamford, Conn.—"Quality Shop," Stam-
ford Seed & Nursery Co.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

Chicago, Ill.—John H. McNeilly, 1431
E. 63d street.
Baltimore, Md.—Pierce & Co., 2118
Madison avenue.
Grand Rapids, Mich.—Eli Cross,
Morton House block.
Chicago, Ill.—Mrs. Sarah Linden,
828 E. 47th street.

ST. LOUIS NOTES.

Mr. and Mrs. F. C. Weber, Sr., are
visiting at Oakville, Ill.
W. C. Smith and wife have returned
from a ten-day vacation trip in the
western part of Missouri.
Alex Siegel left last week to spend
the summer up north. He has not yet
fully recovered from his sick spell.

ORDERS FOR
NEW YORK
WIRE OR PHONE TO
MAX SCHLING
22 West 59th Street, adjoining Plaza Hotel
Best Florists in the States as References
EUROPEAN ORDERS EXECUTED
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the Florist

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37-43 BROMFIELD STREET

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
1 Park St., Boston

YALE AND ALL CONNEC-
TING POINTS

Flower and Plant Deliveries.

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1026 Chapel St., New Haven, Conn.

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CLEVELAND
Euclid Avenue

M. RICE CO.
The Leading Florists'
Supply and Ribbon House
1220 Race Street, PHILADELPHIA, PA.

St. Paul, Minn.
L. L. MAY & CO.

Catalogue Free on Application
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RANDALL'S FLOWER SHOP
HARRY I. RANDALL, Proprietor.
Phone: Park 94
3 PLEASANT ST., WORCESTER, MASS.
Member Florists' Telegraph Delivery

During Recess

Knoxville (Tenn.) Florists' Society.

The first annual picnic of the Knoxville Florists' Society, which was held at Clinch River Station, 42 miles north of Knoxville, on July 9th, was a grand success. All the florists, their families, employees and invited guests were present. Two special cars were attached to the regular train. The en-

1st; W. R. Ryno 2d; C. W. Crouch, 3d. Target shooting for ladies, prizes donated by Reed & Keller, New York and Rice Company, Philadelphia, won by Mrs. K. P. Baum, 1st, Miss Margaret Todd, 2d. Longest jump for children, prizes donated by Kuhlmanns, Knoxville and D. A. Rosenthal, Knoxville, won by Nadine Angus, 1st, and Martha Howell, 2d. Shooting contest, prize donated by Hope Bros, Knoxville, won by John McMillan. Ladies' pot-break-



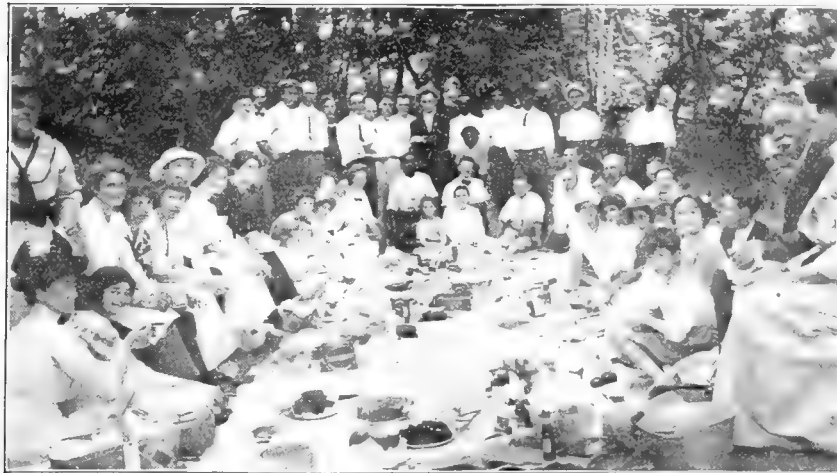
KNOXVILLE FLORISTS' SOCIETY PICNIC
Ready for the Start.

tire forenoon was taken up by the different contests which were as follows:

Three-legged race, prize donated by A. L. Randall Co., Chicago, won by Herbert Johnson and Lum Reeder. Tailing the donkey, for ladies, prizes donated by H. Bayersdorfer & Co., Philadelphia, Pa., won by Mrs. A. H. Bailey, 1st; Miss Lola Harrison, 2d. Driving contest, prize donated by Poehlmann

ing contest, prize donated by Wertheimer Bros., New York, won by Mrs. K. P. Baum.

After dinner was over, everyone put on their bathing suits and made for the river, where there was enough boats for all who cared to go rowing and pearl hunting, and several small pearls were found. The day was wound up with a watermelon-eating



KNOXVILLE FLORISTS' SOCIETY PICNIC
Dinner.

Bros. Co., won by Miss Ida May. Men's sack race, prize donated by A. L. Randall Co., won by Lawrence Lane. Single ladies' sack race, prizes donated by Poehlmann Bros. and S. H. George & Sons, Knoxville, won by Mildred Cain, 1st, Elsie Kirby 2d. Target shooting for men, prizes donated by H. F. Michell Co., Philadelphia and A. L. Randall Company, won by J. W. Smart,

contest between the colored porters from the different stores, which was indeed very amusing. Everybody voted another outing next year.

St. Louis Florists'.

The St. Louis florists' picnic takes place Wednesday, July 22, at Romona Park in St. Louis County. The trustees have arranged everything. This outing

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

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Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

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New London and Norwich, Conn.
and Westerly, R. I.

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STAMFORD, CONN.

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Will take care of all your orders for designs or cut flowers.

Stamford Seed & Nursery Co., 43 Atlantic St.

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

Member of Florists' Telegraph Delivery

is not alone for the members, but all florists and their families. No charge is made; the Florists' Club pays all expenses. It is to be hoped that all florists will close up half a day and give their employees a half holiday. The wholesalers always do and some of the retailers. Let's hope they all do this year.

Florists' Club of Washington.

The July meeting was held in connection with a garden party at the home of Mr. and Mrs. W. F. Gude. In all more than three hundred people were present, including a party of florists from Baltimore. The grounds were brilliantly lighted and in a number of arbors refreshments were served, while another summer house was utilized as a stage.

The program started with music by the Kallipolis Grotto Band. This was followed by a lecture on "A Trip Through Scotland—The Land of Burns," by Richard Vincent, Jr., of White Marsh, Md. He also spoke of the late William R. Smith and of the memorial that it is proposed to erect in his memory. Mr. Vincent's account of his trip through "The Land of Burns" was a most interesting one and was well illustrated by lantern slides. After the lecture Charles A. Stevens, who acted as master of ceremonies, announced that the Florists' Glee Club

would furnish the next numbers and a group of young men then took the stage. The entire sketch consisted of "hits" on the persons present, and all of the more prominent guests came in for their share of the raillery. When the program had been completed the young folks availed themselves of an opportunity for dancing in the spacious parlors. It was a late hour before the guests bade their host and hostess good-night.

Cincinnati Florists.

The Florists' Society Outing at the Lagoon was a well attended and successful affair. The winners of the races and contests were as follows:

Girls' Foot Race, 10 years; 1st, Agnes Deller; 2nd, Katherine Murphy. Misses' Foot Race, 16 years; 1st, Helen Fitch; 2nd, Miss Carmichael. Ladies' Foot Race; 1st, Mrs. Story; 2nd, Miss Miller. Boys' Foot Race, 7 years; 1st, F. Dellar, Jr.; 2nd, C. E. Critchell, Jr. Boys' Foot Race 10 years; 1st, C. Stoechel; 2nd, C. Meyers. Boys' Foot Race, 16 years; 1st, S. Allen; 2nd, A. Stefan. Men's Foot Race; 1st, Nick Weber, Jr.; 2nd, Ben George, Jr. Tug of War, won by Growers, Wm. Murphy (Capt.). Ladies' Base Ball Throwing; 1st, Mrs. Story; 2nd, Miss Ross. Half Mile Run; 1st, A. Riedel; 2nd, Chas. Windram; 3rd, Harry Mechstroch. Boat Race; 1st, Chas. Windram; 2nd, Gus Crow.

Some very fine moving pictures of the affairs are being shown at Keith's this week.

Cook County (Ill.) Florists' Association.

The Cook Co. Florists' Association substituted a boat ride to Michigan City, Ind., on Sunday, for the usual summer picnic in the suburbs. The day was very warm and the lake breezes tempted nearly one hundred to make the trip. Nothing marred the day, unless possibly that the great crowd which the large boat carried, prevented members of the club from visiting with each other.

Motored From New York to Washington.

A happy party consisting of J. K. Allen, New York City, A. V. D. Snyder, Ridgewood, N. J., Wm. Thurston, Paterson, N. J., and J. H. Van Moter took an auto trip last week as far as Washington, stopping at Philadelphia, Baltimore and Atlantic City. The trip consumed five days and the excursionists consumed everything within reach in the line of feed.

Newark Florists.

The Essex County (N. J.) Florists' Club will have an outing on August 5 at Hilton, N. Y. This young organization already has a membership of 65 with Ed. Jacobi as president.

The annual picnic of the Kentucky Society of Florists took place at Stower's Grove, Tuesday, July 14.

CHICAGO NOTES.

D. F. Simonds, proprietor of The Ogden Floral Co., has just returned from a fishing trip in northern Wisconsin. He says all that he caught was a cold.

Everett D. Peacock has the contract for the landscape work, including sewage, etc., on the eight acres of Portage Park, to be improved this year. Work began last week and Chicago will soon have one more beauty spot in its small park system.

Vacations are the chief order of business among employees now and mid-summer trade is at its usual slow pace. The friendly checker board is a familiar sight at the wholesalers', but the retail store man is without that consolation. There is, however a large variety of material with which to make his windows attractive and plenty of passers-by to make note of it.

The new rose Ophelia, brought from England by E. G. Hill two years ago, is now being cut by F. J. Benthey at his place at Newcastle, Ind., and sold here by Zech & Mann. It is just now of a very delicate pink, deeper in the center, after the order of Bulgarie, and although so far only comparatively short stems can be cut, the rose shows great promise. With the deeper shade and longer stems that will come with the advanced season and the good keeping qualities already shown there is no doubt as to the future popularity of Ophelia.

The thousands of visitors now pouring into the country recently taken over by the state of Illinois for a park, are beginning to realize the wisdom of securing Starved Rock, as its chief attraction is called, from commercialized destruction. Starved Rock, upon whose level top, 150 feet above the Illinois river, the last of the Illini tribe of Indians met their fate, is a natural fortress, formerly called Fort St. Louis. It was discovered by Marquette and Joliet in 1673 and fortified by Tonti

The Florists' Supply House of America

Good things for Summer use are now in line. We have some New Baskets in Novel Designs and Dainty Material that will please your summer customers. All standard goods in unexcelled variety and at bottom prices.

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UNITED ICE MACHINES

For Florists and Greenhouses.
Hundreds in successful stores
everywhere. Let us show you their
economy. Ask for Catalog XI

UNITED REFRIGERATOR & ICE
MACHINE CO., Kenosha, Wis.

and Dr. La Salle in 1682 and was the first white settlement in the Mississippi valley. Adjoining the state park are a series of remarkable canons, at Deer Park, which for coloring and form, equal those of Colorado and the chances are that in a few years these too will be added to the possessions of the state.

VISITORS' REGISTER.

St. Louis—S. S. Skidelsky, Philadelphia.

New York—J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.

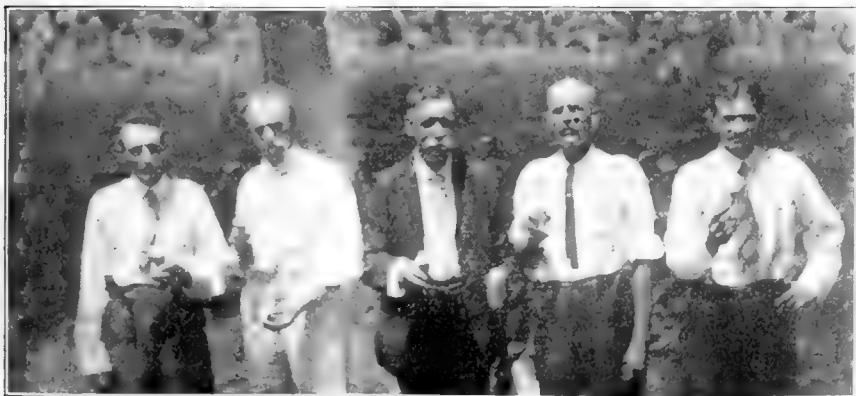
Cincinnati—H. J. Vander Horst, St. Marys, Ohio; B. C. Blake, Springfield, Ohio.

Philadelphia—Albert Merwarth, Easton, Pa.; George M. Bassett, Hammon-ton, N. J.; Frank Yeaman and Jos. Way, Kennett Square, Pa.; P. De Muth, Con-nellsville, Pa.

Boston—A. F. Faulkner, New York; Messrs. Thurlow, West Newbury, Mass.; Robert Craig, Philadelphia, Pa.; W. G. Peacock, Brampton, Ont.; John Young, New York City.

Chicago—Mr. and Mrs. J. C. Elspers-mann, Evansville, Ind.; Mr. Clarion, Stockton, Ohio; F. E. Bonham, Ma-comb, Ill.; John Atwood, Lemars, Iowa; Arthur E. Sumner, Garrett, Ind.; Wm. Terrill, Warsaw, Ind.; Mr. and Mrs. George Faber, Kankakee, Ill.

Ambler, Pa. — The Pennsylvania School of Horticulture for Women is having plans prepared for a three-story building to be erected on its grounds at a cost of about \$25,000. The building will be 40x75 ft.



FIVE KNOXVILLE FLORISTS

Left to right—W. R. Ryno, A. H. Dailey, C. W. Crouch, Chas. L. Baum, Addison J. McNutt.

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BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI July 13		CHICAGO July 6		BUFFALO July 13		PITTSBURG July 13	
Roses								
Am. Beauty, Special.....	2.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 25.00
" " Fancy and Extra.....	10.00	to 20.00	10.00	to 20.00	10.00	to 15.00	10.00	to 12.50
" " No. 1.....	8.00	to 10.00	3.00	to 6.00	5.00	to 10.00	5.00	to 8.00
Killarney, Richmond, Extra.....	6.00	to 6.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" " Ordinary.....	2.00	to 1.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 6.00	to 15.00	5.00	to 6.00	6.00	to 8.00	6.00
" " Ordinary.....	2.00	to 1.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00
Maryland, Taft, Extra.....	6.00	to 6.00	to 8.00	4.00	to 6.00	6.00	to 8.00	6.00
" " Ordinary.....	2.00	to 1.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00
Russell, Shawyer.....	2.00	to 2.00	to 10.00	3.00	to 6.00	.....	to .....	.....
Carnations, Fancy.....	1.00	to 1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50
" " Ordinary.....	1.00	to 1.00	to 1.00	1.00	to 1.50	1.50	to 1.00	.....
Cattleyas.....	50.00	to 35.00	to 50.00	30.00	to 40.00	50.00	to 75.00	.....
Lilies, Longiflorum.....	10.00	to 8.00	to 10.00	8.00	to 10.00	6.00	to 10.00	.....
Lily of the Valley.....	4.00	to 4.00	to 4.00	.....	to	2.00	to 4.00	.....
Asters.....	2.00	to 4.00	to .....	.....	to	1.00	to 2.00	.....
Gladioli.....	2.00	to 6.00	to 8.00	3.00	to 6.00	4.00	to 8.00	.....
Corn Flower.....	.....	to	to .....	.25	to .50	.....	to .....	.....
Daisies, white and yellow.....	.....	to .75	to 1.00	.50	to 1.00	.....	to .....	.....
Sweet Peas.....	.....	to .50	to .....	.20	to .50	.10	to .25	.....
Gardenias.....	.....	to	to .....	.....	to .....	.....	to .....	.....
Adiantum.....	1.00	to 1.00	to 1.25	1.00	to 1.25	1.00	to 1.25	.....
Smilax.....	12.50	to 15.00	to 18.00	.....	to 15.00	.....	to 15.00	.....
Asparagus Plumosus, Strings (100).....	50.00	to 4.00	to 50.00	40.00	to 60.00	25.00	to 50.00
" " & Spreng. (100 bchs.).....	35.00	to 35.00	to 50.00	25.00	to 35.00	25.00	to 50.00

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Flower Market Reports

BOSTON

There is very little activity thus far in the summer shipping trade, although the time has come for it to materialize. The worst handicap on the wholesale market at present is the glut of small roses which are considered well sold at 35 cents a hundred. Carnations are poor generally and sell very low although the receipts of asters are still very light. Cattleyas are moved with difficulty at unheard-of low figures.

BUFFALO

This market passed through a very quiet week and things have not improved much over last report. The supply of roses is still heavy and the flowers come in in open condition. Sales are very slow and high prices are out of the question. The Mock rose has met with good sales and it carries for shipping much better than other varieties at this time. Carnations are poorer each day though a few good whites and Enchantress are still had. Some gladioli in the varieties Pink Beauty and America have sold well.

CHICAGO

Asters are appearing in large numbers each week and will soon make themselves an important part of the summer offerings. Stems are shorter than usual and unless there is sufficient rain very soon, aster growers will lose their crop. Outdoor gladioli are now out-numbering the greenhouse grown with the trio of favorites still the bulk of the stock. Quality is excellent and the stock as a whole looks much better than later when the collections of off-colored gladioli always make their appearance. Roses are far more plentiful than can be used to advantage and short ones sell more by the jar than by count. Mrs. Russell at Poehlmann's is the queen of the new roses to date. With stems three feet long it is not hard to sell all in sight for 20c. each. Ophelia adds another new rose and mention is made on another page. Beauties continue in good crop, but demand is slow. Shipping trade is limited, but a fair proportion of the best stock is used up in this way and the rest is needed for local sales. Carnations are mostly small and do not count heavily in total sales. Miscellaneous summer stock includes a large variety of cheap flowers, sold at any price.

CINCINNATI

The supply in the market this week is heavier than at the time of the last report while the demand has been about the same as before. Only the best stock is taken up by the buyers. Quite a bit of it finds its way to the ash barrel. Roses are the biggest losers in this respect. The Killarneys open so quickly that they are very nearly unsalable except in limited amounts at lowest prices. Other roses fare better but can be had only in limited quantities. American Beauties are in good supply and prove good property. A few more good gladioli are now coming in. These find a ready sale, while the poorer grades hardly have a call. The cut of lilies is large and fully able to take care of all calls. The first asters have made their appearance. Lily of the valley are conspicuous for their absence.



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Large, well flowered spikes, stock grown especially for the flower trade, plenty of American and King, also a good assortment of other colors. We can take care of any sized orders as we are receiving large deliveries.

\$5.00 per 100, \$40.00 per 1000. In lots of 200 or more, our selection as to variety, \$3.00 per 100.

VALLEY, Special \$4.00 per 100. Extra \$3.00 per 100.

CATTLEYS, \$6.00 per doz., a few extra large at \$7.50 per doz.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON July 16		ST. LOUIS July 13		PHILA. July 13	
Roses						
Am. Beauty, Special	15.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	8.00	to 15.00	15.00	to 18.00	10.00	to 12.00
" " No. 1	2.00	to 6.00	5.00	to 10.00	3.00	to 6.00
Killarney, Richmond, Extra	3.00	to 5.00	4.00	to 6.00	5.00	to 6.00
" " Ordinary	.25	to 2.00	2.00	to 3.00	2.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 8.00	5.00	to 6.00	5.00	to 6.00
" " Ordinary	.50	to 2.00	3.00	to 4.00	2.00	to 3.00
Maryland, Taft, Extra	5.00	to 8.00	4.00	to 6.00	5.00	to 6.00
" " Ordinary	.50	to 2.00	2.00	to 3.00	2.00	to 4.00
Russell, Sawyer	3.00	to 15.00	.....	to	3.00	to 8.00
Carnations, Fancy	1.00	to 1.50	1.50	to 2.00	.....	to
" " Ordinary	.25	to .50	.50	to 1.00	1.50	to 2.00
Cattleyas	8.00	to 20.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	8.00	to 10.00	8.00	to 12.00
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Asters	.....	to .....	.....	to	1.00	to 2.00
Gladioli	.00	to 4.00	5.00	to 6.00	3.00	to 6.00
Corn Flower	.....	to .50	.....	to .50	.....	to .50
Daisies, white and yellow	.....	to .50	.25	to 1.00	.....	to
Sweet Peas	.10	to .50	.20	to .40	.50	to .75
Gardenias	.....	to .....	.....	to .....	.....	to
Adiantum	.75	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	12.00	to 15.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (100)	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	35.00	to 35.00

New green galax and leucothoe are in the market.

NEW YORK The flower market shows very small improvement this week.

There is a tremendous influx of small roses from young stock which it does not pay the growers to pack and transport nor the wholesalers to offer for sale. Very few carnations are in sight. There are big receipts of lilies, both longiflorum and rubrum. Gladioli are rapidly increasing. Cattleyas seem less abundant but there is little outlet for them at present. A fair number of asters are received. Asparagus plumosus from the south is still being received from southern growers. Asparagus Sprengeri has seemingly lost its hold on the market and is reported as practically unsalable.

PHILADELPHIA "About as usual for the season"

is the remark we hear in regard to business conditions. Buying and selling is at a low ebb but not abnormally so. Asters are coming in good and are more plentiful; but so far not quite enough of high-grade

stock for the demand. The gladiolus crop which has been rather backward is now much more in evidence, and there is ready demand. These are not only very showy but they are also good shippers and keepers. America is the leader so far. Roses are holding their own fairly well but the decline in carnations is very rapid. The sweet pea situation is not as brilliant as it was. The quality is none too good and the quantity is also curtailed. The best stock at present is coming from northern points. These are longer stemmed and have better substance than the locals. Plenty of lilies but no oversupply. The snapdragon is still to be seen but they are outdoor stock—short and do not ship well.

ST. LOUIS The cut flower market has not changed any from last week. The stock coming in clearly shows the effect of the great heat of the past six weeks with only a little shower or two. The water supply of some of our county growers is running low and the stock in the fields suffers greatly. There are

(Continued on page 86)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 11 1914		First Half of Week beginning July 13 1914	
American Beauty, Special	15.00	to 25.00	1.00	to 25.00
" " Fancy and Extra	8.00	to 10.00	2.00	to 10.00
" " No. 1	1.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	2.00	to 5.00	1.00	to 5.00
" " Ordinary	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary	.25	to 1.00	.25	to 1.00
Maryland, Taft, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary	.25	to 1.00	.25	to 1.00
Russell, Shawyer	1.00	to 1.50	1.00	to 1.50
Carnations, Fancy Grade	1.00	to 1.50	1.00	to 1.50
" " Ordinary	.50	to 1.00	.75	to 1.00

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OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
106 WEST 28TH ST., NEW YORK.
Opens 6 A. M. daily.
Telephone, 167 and 4468 Mad. Sq.

Flower Market Reports

(Continued from page 85)

plenty of roses and carnations coming in, but comparatively little that could be called fancy. Asters and peas are somewhat scarce. Good gladioli, lily of the valley and lilies have an excellent demand. Some extra good Shasta daisies are on sale each morning. Prices on all stock is low.

As usual at this time of the year, business is quiet.

The growers, however, are a little busier trying to get their stock in the pink of perfection. There is also some little remodeling going on to bring the houses into shape for the coming year. Gladioli are much more plentiful and meeting with a fair sale. Good roses sell well but are not in great supply. Asters at \$1 and \$2, are proving a welcome addition to the market's offering. Shipments of Eastern-grown American Beauties are being received and these are moving quite well, medium grades bringing \$2, with the better qualities selling at up to \$3 per dozen. Orchids are none too plentiful although the demand for these is but fitful and those that are to be had are sold at \$6 per dozen. Killarney roses from the north are also in better demand.

PERSONAL.

Otto Heineken, New York, sails for Europe on the Imperator, July 18.

A. Leuthy, of Roslindale, Mass., sailed from New York on the France, July 15, for Havre.

Mrs. Leonard Barron of Garden City, N. Y., sailed on the steamship New York, for England, on Friday, July 17.

Peter Reinberg was one of a party of Chicago school board officials sailing from New York last Saturday on the Lusitania.

W. C. Langbridge of Cambridge, N. Y., is enjoying the lake breezes in his new bungalow at Cleverdale, Lake George, N. Y.

Prof. R. R. Root, Urbana, Ill., and Prof. H. B. Dornier of the same place sailed on the Arabic from Boston for Europe on July 14.

Edward Thorne, head grower at the Westboro State Hospital, Westboro, Mass., for the last twenty-two years, has resigned and will enter into business for himself.

Frank Barnard, gardener at Smith College has accepted a position with the A. N. Pierson Company of Cromwell, Conn. Mr. Barnard was with the St. George Nursery Company in West London 18 years, and has been at Smith College several years. He has had charge of the greenhouses and has assisted in the practical work of the classes in horticulture.

W. C. Ward of E. Milton, Mass., is back and into the harness again after a year's vacation, six months of which were spent on the Gulf coast of Florida, and four months in the pine woods of Maine, where he has a summer camp. On the return trip he made a stop at Brunswick, Me., to visit Thomas Pegler, formerly of Boston, whom he found in improved health and with an encouraging condition of business.

New York City.—The United Cut Flower Company, organized by a number of the Greek florists, will open a wholesale cut flower establishment about August 1, at 111 West 28th street.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 11 1914		First Half of Week beginning July 13 1914	
Cattleyas	10.00	to 15.00	11.00	to 40.00
Lilies, Longiflorum	3.00	to 4.00	2.00	to 4.00
Rutrum	3.00	to 4.00	3.00	to 4.00
Lily of the Valley	2.00	to 3.00	2.00	to 3.00
Asters	2.00	to 3.00	2.00	to 3.00
Gladioli	2.00	to 3.00	2.00	to 3.00
Corn Flower	2.00	to 3.00	2.00	to 3.00
Daisies, white and yellow	2.00	to 3.00	2.00	to 3.00
Sweet Peas (per 100 bunches)	1.00	to 5.00	1.00	to 5.00
Gardenias	20.00	to 25.00	20.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100)	25.00	to 35.00	25.00	to 35.00
& Sprengeri (100 bunches)	15.00	to 20.00	15.00	to 20.00

NEW YORK FLOWER SHOW, 1915.

The preliminary schedule of the International Flower Show to be held in the New Grand Central Palace, March 17 to 23, 1915, under the auspices of the Horticultural Society of New York and the New York Florists' Club, has been issued.

The prize list is divided into twenty-four sections which we shall now but briefly mention as complete copies may be had upon request from Secretary John Young, 53 West 28th street by all who are interested.

Section A is devoted to plants in flower by private growers. It includes all flowering plants such as azaleas, amaryllis, begonias, bougainvilleas, cinerarias, cyclamen, ericas, hydrangeas, lilacs, etc., in numbers as specified, the grand class being 1st prize \$150 and second prize \$100 for group arranged for effect, covering 200 sq. ft.

Section B is quite similar, but for commercial growers only, with the addition of a class for collection of acacias, 1st prize \$200, 2nd prize \$100; collection of hydrangeas, 1st prize \$100, 2nd, \$50; and collection of rhododendrons, 1st, \$100; 2nd, \$50. Section C covers palms and foliage plants for private growers and Section D for commercial growers in various sized groups, bays, boxes, and conifers being included under Section D. Sec. E is a bay tree class for private growers and Sec. F ferns for private growers. Sec. G is for ferns by commercial growers.

Section H and I are devoted to bulbous plants by private and commercial growers respectively and there is a special class for display arranged as a Dutch garden, by dealers and seedsmen, 1st prize \$200, 2nd prize \$100. Section J for private growers and Section K for private growers are devoted to orchid specimens and groups and are quite lengthy, liberal provision being made in each case for groups arranged for effect. Sections L and M are for tables of cut orchids arranged for effect, private and commercial, respectively, large prizes in each instance.

Section N and O are for roses in pots and tubs, private and commercial respectively. In the private classes, 1st prize \$100 and 2nd prize \$50 are offered for display, all classes, covering 100 sq. ft. In the commercial section the premier class is for artistic display arranged as a rose garden, 500 sq. ft., 1st prize \$300, 2nd prize \$200, and a silver medal is offered for best new rose not in commerce.

Sections P and Q are lengthy and include classes for cut roses, private and commercial, respectively. In the latter there is a 1st prize of \$100, and 2nd prize of \$75 for 100 blooms of American Beauty; also 1st and 2nd, \$75 and \$50, respectively, for 100

blooms of Killarney Queen. For display of cut roses covering 200 sq. ft. there are 1st, 2nd and 3rd prizes, \$200, \$150 and \$100, respectively.

Sections R and S are for carnations by private and commercial growers, respectively, open to all varieties, seedlings and sports. A silver medal is offered for 50 blooms of new variety not in commerce.

Section T is for vase of carnations, by private growers, artistically arranged with any accessories, and for display of carnations by commercial growers, arranged for effect, the latter carrying 1st, 2nd and 3rd prizes, \$200, \$100 and \$50.

Section U is for sweet peas by private growers, including a dinner table decoration. Sec. V. is for sweet peas by commercial growers, the display covering 100 sq. ft., carrying 1st and 2nd prizes of \$75 and \$50.

Miscellaneous cut flowers are provided in Section W for private growers and X for commercial growers. Section Y is for violets by commercial growers. Section Z is for table decorations by private growers and by hotels, the latter for a \$100 silver cup offered by the Horticultural Society of New York.

The Horticultural Society of New York offers its gold, silver and bronze medals for exhibits of unusual merit; the exhibits to be judged and the awards to be made by the Society.

The Flower Show Committee is composed of the following gentlemen:

F. R. Pierson, chairman; T. A. Havemeyer, vice-chairman; John Young, secretary, 53 West 28th street, New York; Frederic R. Newbold, treasurer; F. R. Pierson, Wm. H. Duckham, F. R. Newbold, C. H. Totty, T. A. Havemeyer, Frank H. Traendly, George V. Nash, Julius Roehrs, Prof. N. L. Britton, W. H. Siebrecht, Sr., James N. Stuart, W. R. Pierson, Jos. A. Manda, F. L. Atkins, M. C. Ebel, John Young.

Complete schedule, which will include all cut flower classes, will be issued later.

NEWS NOTES.

Auburn, N. Y.—A new firm, Eastwood & Tincknell, has rented the old Dunning greenhouses in South Division street.

Sherborn, Mass.—This neighborhood was visited by a very severe hail storm on July 12 which ruined gardens and farm crops, tore the foliage of the trees to shreds, and broke much glass. The greenhouse of J. Dudley Clark was wrecked and 3,000 chickens were killed in the yard on the Clark estate.

Other losers by the storm were Messrs. Cheney of Southboro, who lost five acres of tomatoes; Geo. Severy of South Framingham, Simpson of Saxtonville.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BEDDING PLANTS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and Florence Davenport, 2 1/4 in. pots. Delivery from May 15th. JULIUS ROEHR'S CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

E. L. Dodge, Boston, Mass.
For page see List of Advertisers.

Hitchings & Co., New York City.

King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
German Iris and Lilliums Henryi and Tenuifolium.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Leo Niessen Co., Philadelphia, Pa.
Field Grown Carnation Plants.
For page see List of Advertisers.

FIELD GROWN CARNATIONS

Ready Now.
Best stock we have ever had of the
Novelties and Standards.
Write for prices.
CHARLES H. TOTTY, MADISON, N. J.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemum Novelties for 1914.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

CYCLAMENS from 3 in. pots. Finest strain. Separate colors. JULIUS ROEHR'S CO., Rutherford, N. J.

CYCLAMENS—Continued

Cyclamen, best German strain, in fine assorted colors; good stock out of 2 1/4 in. pots at \$5.00 per 100. J. H. FLESSER, North Bergen, N. J.

DAHLIAS

Dahlias at greatly reduced prices for 1914. Send for wholesale list. Order early. J. L. MOORE, Northboro, Mass.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

FERNS

McHutchison & Co., New York City.
Ferns in Flats.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Ernest Oechslein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co., Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

For List of Advertisers See Page 67

FERTILIZERS—Continued

Sanderson Fertilizer and Chemical Co.,
New Haven, Conn.
South American Sheep and Goat Manure.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
Wedding Accessories.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

1,500 B. Poltevine; 2,000 S. A. Nutt,
rooted cuttings, \$6.00 per 1,000. The lot
for \$25,000. GEO. P. GRIDLEY, Wolfeboro,
N. H.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Frank Van Assche, Jersey City, N. J.

Metropolitan Material Co., Brooklyn, N. Y.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Frank Van Assche, Jersey City, N. J.
Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.

Hitchings & Co., New York City.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hail Asso. of America
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Hammond Slug Shot Works, Beacon, N. Y.
Hammond's Grape Dust.

IRIS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

THE IRIS! THE IRIS!

200,000 in 225 varieties from \$1.00 per
100 to \$1.00 per 20. Some of the finest
on earth. Send 10 cents for Iris manual.
C. S. HARRISON SELECT NURSERY,
York, Nebr.

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Jerusalem Cherry, out of 2 1/4 in. pots at
\$3.00 per 100. J. H. FIESSEER, North
Bergen, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LAURUS

Laurus Cerasus: Bush, 35c-\$1.00 each;
Standards, \$7.50-\$10.00 each; Pyramids,
\$5.00-\$7.50 each.
JULIUS ROEHRS CO., Rutherford, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville,
Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

NIKOTEEEN
Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA
Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK
P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Manning Nurseries, No. Wilmington, Mass.

ONION SETS
Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS
Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS
Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

Freeman Orchid Co., Fall River, Mass.

PALMS, ETC.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PANSY SEED
Henry F. Michell Co., Philadelphia, Pa.
Giant Prize Pansy Seed.
For page see List of Advertisers.

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

PEONIES.
Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHEI,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Special-
ist, Chenonceaux, France.

PECKY CYPRESS BENCHES
A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX
Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS
Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS
Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES
Seele's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS
H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POINSETTIAS
A Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Poinsettias. These plants have been propagated from stock that produced bracts from 16 to 22 inches, they are the true vermilion red, extra strong and thoroughly rooted so as to carry anywhere. 2½ inch standard pots, \$5.00 per 100, \$45.00 per 1000. CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.

REFRIGERATORS FOR FLORISTS
United Refrigerator & Ice Machine Co., Kenosha, Wis.
United Ice Machines.
For page see List of Advertisers.

RHODODENDRONS
P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS
S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES
Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

L. B. Coddington, Murray Hill, N. J.
F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS
Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS
Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Quality Flower Seeds.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stump & Walter Co., New York City.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Florists' Seeds.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.
Live Sphagnum moss, orchid peat and orchid basket always on hand. LAGER & HURRELL, Summit, N. J.

STOVE PLANTS
Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS
Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

Weeber & Don, New York City.
Pot-Grown.

SWEET PEA SEED
Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

For List of Advertisers See Page 67

TWEMLOW'S PUTTY.

Wm. Elliott & Sons, New York City.

VEGETABLE PLANTSR. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.Warren Shinn, Woodbury, N. J.
Celery Plants.Celery Plants, Golden Self-Blanching
(French Strain), fine plants, ready now,
\$2.00 per 1000. Cash. BRILL CELERY
GARDENS, Kalamazoo, Mich.**VENTILATING APPARATUS**The Advance Co., Richmond, Ind.
For page see List of Advertisers.Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.**VERMICIDES**Aphise Mfg. Co., Madison, N. J.
For page see List of Advertisers.**VINCAS**William Capstick, Auburndale, Mass.
For page see List of Advertisers.**WIRED TOOTHPICKS**W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.**WIREWOK**Reed & Keller, New York City.
For page see List of Advertisers.Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee,
Wis.WILLIAM E. HEILSCHER'S WIRE
WORKS, 38-40 Broadway, Detroit, Mich.**WHOLESALE FLORISTS**

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
For page see List of Advertisers.Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.James McManus, 105 W. 28th St.
For page see List of Advertisers.W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.**WHOLESALE FLORISTS—Continued**

New York—Continued

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.W. P. Ford, New York.
For page see List of Advertisers.Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.The S. S. Pennock-Meehan Co., 117 West
28th St.
For page see List of Advertisers.Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.John Young, 53 West 28th St.
For page see List of Advertisers.M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Nlessen Co., 12th and Race Sts.
For page see List of Advertisers.Edward Reid, 1619-21 Ransdend St.
For page see List of Advertisers.The S. S. Pennock-Meehan Co., 1008-12
Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St.
N. W.
For page see List of Advertisers.**New Offers In This Issue****CALLA BULBS.**Magnum Bonum Nursery, Holland, Mich.
For page see List of Advertisers.**CANE.**Wm. Elliott & Sons, New York City.
For page see List of Advertisers.**CONVENTION HOTEL ACCOMMO-
DATIONS.**Hotel Nottingham, Boston, Mass.
For page see List of Advertisers.**MIGNONETTE SEED.**R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.**MIGNONETTE AND GIGANTIC
PANSY SEEDS.**A. T. Boddington, New York City
For page see List of Advertisers.**NEW CROP PANSY SEED.**James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.**PEONIES.**S. G. Harris, Tarrytown, N. Y.
For page see List of Advertisers.**PINK AND WHITE KILLARNEY
ROSE PLANTS.**Gude Bros. Co., Washington, D. C.
For page see List of Advertisers.**WANTS, FOR SALE, ETC.**Advertisements in this column
one cent a word. Initials count
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 11 Hamilton Place, Boston.**FOR SALE**Three good tubular boilers, in use at the
present time—two 4½ ft. and one 4 ft. in
diameter. Can be bought with all appur-
tenances very cheap. Parties putting in
larger boilers. ApplyN. F. MCCARTHY & CO., 112 Arch Street
BOSTON**RETIRING FROM BUSINESS**AUGUST MILLANG wishes to sell his Old
Established business, 57 Stuyvesant Ave.,
cor. Pulach St., Brooklyn, N. Y. Store, two
greenhouses and garage. Will sell cheap.
Rent reasonable.FOR SALE—Large place in New Jersey,
near New York City; 30,000 feet of glass,
large dwelling and furniture, barn, horses,
and automobile; well established business,
local and wholesale; also large landscape
business. Place is near trolley and rail-
road, and is in first class condition, all
up-to-date improvements. Price very rea-
sonable; owner must sell at once, going
west. Particulars CHAS. MILLANG, 55 W.
26 St., New York City.FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SIELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.BARGAIN—Greenhouse, residence and
stock; no competition; live village, 30
miles from Buffalo, excellent shipping fa-
cilities. Write ELLIS BROS., Springville,
N. Y.FOR SALE—Lord & Burnham Ventil-
ating machines for 250 foot house. In good
shape and will sell cheap. VENTILATOR
care HORTICULTURE.FOR SALE—Greenhouse, 250 feet long,
two years old, with dwelling house, five
rooms, six acres land, 19 miles from Bos-
ton. \$2,500, on very easy terms. Address,
J. B. L. BARTLETT, 204 Washington St.,
Room 605, Boston.**SITUATIONS WANTED**WANTED—Situation as gardener—eleven
years experience—inside and out. Sober
and industrious. Address, FRED ABOLIN,
294 Poplar St., Roslindale, Mass.SITUATION WANTED—By young Eng-
lishman (age 26) on private estate as
assistant gardener, 12 years practical ex-
perience under glass. Fruit, orchids, car-
nations, 'mums, stove and greenhouse
plants. Excellent references. Apply by
letter to Box 605, Moosic, Pa.**HELP WANTED****WANTED**Competent Wire Worker for our Wire
Frame Department.
DALE'S, Brampton, Canada.**MISCELLANEOUS**WANTED—To buy, or lease with privi-
lege to buy, retail place. State particulars.
LEWIS H. WISE, New Rochelle, N. Y.WANTED—Fifty or more second hand
sash for cold frames. State condition
and lowest cash price. WILLIAM KINGS-
BURY, Derry, N. H.**In writing to Advertisers kindly mention Horticulture**

FERTILIZER EXPERIMENTS

At the Floricultural Experiment Station,
University of Illinois, Urbana, Ill., W. M. Man-
dile, in Charge of Fertilizer Ex-
periment

(Continued from page 91)

2. The Effect of Topping Back Carnations on the Total Production and Time of Maximum Production.

The carnations (Rosette and White Perfection) on account of delay in erection of the new greenhouses were set in later than usual, Aug. 12. They were topped back at this time. On Sept. 12, one-half of the house (360 plants) was topped back while the crop of short-stemmed flowers was left on the other half. The results of these two methods of culture are as follows:

(1) The new growth on the topped sections began producing flowers nearly equal in number to the production from the sections not topped about the twenty-fifth of November. Previous to this time 761 flowers from Rosette had been secured from the sections not topped, in excess of those from the topped section. At \$1.00 per 100, the profit per 1000 sq. ft. of bench space would amount to \$42.20. From the White Perfection sections 1172 flowers were picked in excess of those from the topped plants. At the same rate these would net a profit of \$65.20 per 1000 sq. ft. of bench space.

(2) It might be worth while to top back in order to produce a larger crop or to control the time of the large crop later, and this has been considered in the data. The data show that up to the present time the usual variation does not exceed 5 flowers weekly. In each variety the untopped sections have fallen below the topped sections in production, for one week, to a noticeable extent, about 30 flowers. Otherwise the production still runs parallel. Each set of plants came in to maximum crop at the same time and the production dropped similarly with each. There are indications, however, that the later crop will not fall at the same time. Further study of this interesting phase of carnation growing will be made as the season progresses. A suggestion has been made to me that these results would be secured only with a variety of the "tree" type which has no great tendency to stool out even when topped back. Probably a larger production would follow in after weeks a topping back of this type of plant.

3. The Relationship Between Cloudy Weather and Splitting in Carnations.

A record has been kept of the weekly production of flowers in the carnation house. By comparison with the weekly amounts of sunshine as recorded by the Agricultural Experiment Station (Agronomy Department) a method is found of determining whether any parallel increase in percentage of flowers with split calyces and in hours of cloudy weather, exists. The year is not yet far enough advanced to allow very considerable data to be on hand, but the results so far indicate that a period of cloudy weather does have the effect of producing a larger percentage of splits, during the following weeks. During the last three months of 1913, a period



NIKOTEEN 30 Per Cent Strength For Spraying APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

Guaranteed under the Insecticide Act of 1910, U. S. No. 46.

NICOTINE MFG. CO. ST. LOUIS, MO.

of bright weather extending from October 13 till November 10 was followed by a period of cloudy weather from that date till December 8. The percentage of splits during the period of Oct. 27 till Dec. 1 averaged less than five, while during the following five weeks the percentage averaged more nearly 25.

In the report last March, figures were given to show that commercial fertilizers applied in moderate quantities did not cause splitting. It is evident that location of the true cause of splitting will remove it from the list of things to be feared when any change of cultural methods is contemplated by the grower.

4. Effects of Overfeeding Carnations.

Variation in the application of large amounts of different kinds of fertilizer to carnations has brought very interesting results. On Dec. 3 dried blood, ammonium sulphate, potassium sulphate a soluble phosphate (disodium phosphate) and for comparison and because commercial sulphate of potash contains 20 per cent of it, common salt at the rate of something over 25 lbs. per 100 sq. ft. of bench space were applied to the varieties White Perfection and White Enchantress, a single chemical being applied to a section. The results were quite different with the different chemicals. Those plants treated with dried blood, potassium sulphate, or sodium sulphate showed no signs of injury, and even now, when a further application of 5 lbs. each has been made, no effect is seen excepting in a softness of the flower, a drooping of the stems, and a general retardation of growth, very similar in all cases. In the case of those plants to which salt was applied, plasmolysis occurred within three days, the plants falling over on account of weakness at or near the crown. The general appearance of the foliage did not change excepting that the chlorophyll gradually and uniformly disappeared and by this time most of the plants are dead. Where sulphate of ammonia was applied, injury which rapidly became very marked was noticed within two weeks after application, but the appearance of the foliage indicated a distinct toxic effect characteristic of this fertilizer. Instead of a falling over at the crown, the first sign of injury was a browning of the tips of the sepals. Later this extended down the juncture between the sepals, causing them to part, and resulting in the formation of a split flower. Flowers fully open and half to full grown buds showed a characteristic weakness just above that node second or third below the flower, where the color disappeared, the cells collapsed, causing the stem to bend over sharply at this point. The leaves exhibited a characteristic white spotting due to the collapse of the chlorophyll bearing cells beneath the epidermis at these places, while

the remainder of the leaf retained its normal green color. Injury is more marked where lime has been applied, and is worse in the White Enchantress than White Perfection.

These details are given here because it does not seem possible to detect injury to the carnation before overfeeding is rather serious and because, the symptoms being specific, it at least is possible by watching these symptoms to avoid a repetition of over-feeding by the particular fertilizer which caused the trouble.

The comparative solubility of these fertilizers is approximately:

Ammonium sulphate, 71 parts to 100 of water.

Salt, 36 parts to 100 of water.

Potassium sulphate, 9 parts to 100 of water.

Sodium phosphate, 7 parts to 100 of water.

And phosphate, 4 parts to 100 of water.

The degree of injury evidently bears a relation to the solubility, as is seen, but in addition ammonium sulphate, and as described in the report last year sulphate of potash in the later stages must have a definite toxic action peculiar to themselves. The apparent benefit this year from the large amounts of acid phosphate applied to the varieties Rosette and White Per-

Continued on Page 94



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil

This is the Real Nature's Humus. Put it on your lawn this spring. Don't let it burn up, or stand all summer hose in hand.

Order now in 100 lb. bags.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING-VAPORIZING-FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

SOUTH AMERICAN SHEEP AND GOAT MANURE

WHAT HAVE WE HERE?

It looks like sheep manure!
It smells like sheep manure!
It feels like sheep manure!

and by gum, it is the real, pure old fashioned sheep manure, pure and straight all over, the same we used to be able to get years and years ago when sheep were plenty in this country of ours. This stuff comes from South America, where they have nothing else but sheep and goats and it is the Simon pure article, just as the Ba-Ba dropped it, but finely ground for convenience.

This manure is not acid and is safe to use on the most tender plants. It is just the thing for "Mums," for young roses, carnations, cyclamens, terns and a thousand other things.

We absolutely guarantee this manure to be nothing but pure sheep and goat manure, free from anything else whatever. Send for a sample,

Look at it—
Smell of it—
Feel of it

Make a test of it for acidity and see what a fine article of manure water you can get with it.

Price and Terms on application.

SANDERSON FERTILIZER & CHEMICAL COMPANY

Sole Importers and Distributors for New England

NEW HAVEN, CONNECTICUT



IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

FARMERS AND FLORISTS
FERTILIZER CO.

809 Exchange Ave., Rm. 15. Tel. Yards 842.
U. S. YARDS, CHICAGO, ILL.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:

\$2.75 per 112 lbs.; \$12.50 per 560 lbs.

Stumpp & Walter Co.
30-32 Barclay Street, NEW YORK

PLANTLIFE

PLANTLIFE has several advantages over liquid insecticides on the market. Containing refined tobacco dust it can be used to mix with the soil, acting as an excellent fertilizer, at the same time destroying worms and insects in the ground before they have a chance to reach the plant.

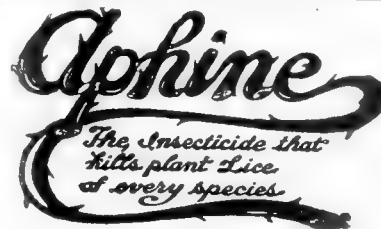
PLANTLIFE has been found very effective in ridding greenhouses of insects by dusting on plants. When dry, use for dusting about once a week.

Put up in bulk for greenhouse men; in packages for retail trade.

Bag of 100 lbs. \$3.50.

Let us quote you prices in quantity.

The Plantlife Company, 251 East 66th Street
NEW YORK, N.Y.



The Recognized Standard Insecticide

For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$1.00 per quart—\$2.50 per gallon.

FUNGINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

75c. per quart—\$2.00 per gallon.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$1.00 per quart—\$3.00 per gallon.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

75c. per quart—\$1.50 per gallon.

All the above products are readily soluble in water at proportions directed on cans and are used as spraying materials.

NIKOTIANA

A 12% nicotine solution for fumigating and vaporizing.

\$1.50 per quart—\$4.50 per gallon.

Manufactured by

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals

MADISON, N. J.



Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts

AND RED EARTHENWARE SPECIALTIES

A. H. HEWS & CO., Inc., Cambridge, Mass.Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.**FERTILIZER EXPERIMENTS.**

(Continued from page 2)

fection, and White Enchantress and White Perfection last year lead to the belief that its solubility in water is not sufficient to cause injury to the plants.

Physical conditions of the soil may be a factor in the injury. Acid phosphate and sodium phosphate in large quantities give a pulverulent, quickly drying soil of excellent texture, while dried blood in large amounts causes the soil to retain large quantities of water. It does not dry readily and so is not watered so often, and yet the tenacity with which the organic matter in the dried blood retains the water prevents as large a proportion of it being used by the plant. This in turn prevents the proper aeration of the roots that is an essential benefit derived from the alternate wetting and drying of the soil.

The effects of overfeeding are not so apparent with carnations as with roses. In addition to the need for applying quantities of fertilizer not in excess of that needed to the rose, it is necessary to take into consideration also the period of growth of the plant when making application of fertilizer to roses, a precaution that so far has not been found necessary with carnations. The necessity of observing this precaution is well illustrated by the experience gained with application of fertilizer to roses during the present season, an experience that came near resulting in a complete loss of the plants.

The roses (young stock) were set in the benches on August 4, at which time five pounds of sulphate of ammonia per 100 square feet and varying quantities of acid phosphate with a little potassium sulphate were added to the soil, together with a small amount of well rotted manure. A good crop of flowers was obtained on November 30, a like application of sulphate of ammonia and acid phosphate was made to the sections. The roses were off crop at this time. A good many older leaves were dropped because the fertilizer was cultivated in too deep, and the root system disturbed. However, the flowers produced until the first of the year were good. At this time, the new foliage which appeared to replace the flowers removed showed marked signs of injury from overfeeding, the symptoms being weak growth and lack of chlorophyll in the leaves. The injury was worse on the own root plants than the grafted, and more marked on the side of the bench from which water was applied. It is clear that the condition of the plant is a factor to be reckoned with most carefully in the application of fertilizer. The excellent condition of those plants which have received no fertilizer would indicate, indeed, that no or little fertilizer is needed in the

earlier part of the season, although past experiments have shown that the soil used at the Experiment Station, although rich, will not suffice to keep a rose in best condition throughout the season. The whole question of the time of application of fertilizers from these two standpoints is one requiring further study before definite conclusions may be drawn.

In an article appearing in the American Florist of July 19, 1913, calculations were given from the results of analyses of liquid manure, showing its strength to be equivalent to about 6 oz. of ammonium sulphate per 50 gals. of water, and mention made that a strength of 1 lb. per 50 gals. was often recommended. Thirty-two grafted plants each of Killarney and Richmond roses have been so fertilized during the winter. One-half of them received weekly a solution of the strength of 4 lbs. per 50 gals. of water, while to the others a solution one-fourth as concentrated was applied. The soil was not drenched, but well covered with the liquid. No injury has been noted to these plants, although during the protracted cloudy weather of November and December last, the foliage lost some color, as was the case with all the roses regardless of the treatment.

**GREENHOUSES BUILDING OR
CONTEMPLATED.**

Warwood, W. Va.—Albert Lash, additions.

Chestnut Hill, Pa.—Jay Cooke, 93 ft. house.

Yankton, S. D.—Gurney Seed Co., two houses.

Sterling, Ill.—J. A. Swartley & Son, rebuilding.

Elyria, O.—L. C. Hecock Floral Co., house 27x275.

Pawtucket, R. I.—Riverside Cemetery, house 30x90.

Charles City, Ia.—Sherman Nursery Co., 300 ft. house.

New Castle, Pa.—Broseheit & Son, Moninger house 60x300.

Guilford, Miss.—George Chevalier, 23rd avenue, one house.

Lincoln, Ill.—W. H. Gullett & Sons, ten houses each 60x500.

Wellesley Hills, Mass.—Arthur Capers, two carnation houses.

Riverside, N. J.—A. Hirschleber, Taylor street, two houses.

Chicago, Ill.—Henry Schuffert, 4332 Bernard street, rebuilding.

Sheldon, Ia.—Sheldon Greenhouses,

LORD & BURNHAM BOILERS

Practically as good as new. Sizes up to 12 sections, capable of heating from 3000 to 8000 sq. ft. Bargain if taken at once.

E. L. DODGE, 8 Friend Street, Boston, Mass.

Frank Christiany, proprietor, two houses.

Philadelphia—A. Gontram, Rowland avenue, Lord & Burnham house, 56x200.

Holmesburg, Pa.—August Gontram, house 56x200 ft., by Lord & Burnham Co.

St. Paul, Minn.—Plans for the service building and greenhouse being erected in Como Park, have been found defective by C. A. Hausler, city architect. Mr. Hausler says the plans are incomplete and slovenly. The Toltz Engineering Company is superintending the construction, Mr. Hausler says. This company gets 3 per cent on about \$59,000 for checking up the steel in the greenhouse construction. It gets 5 per cent on a stack and 5 per cent on the service building. A written report upon conditions will be filed by Mr. Hausler with the commissioner of parks, playgrounds and public buildings today. The city architect will take over supervision of the work, unless the city has been bound by contract to have the private company finish this job.

**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price

per crate:									
2000	1 1/4	in.	@	\$8.00	500	4	in.	@	\$4.50
1500	2	"	"	4.88	456	4 1/2	"	"	5.24
1500	2 1/4	"	"	5.25	320	5	"	"	4.51
1500	2 1/2	"	"	6.00	210	5 1/2	"	"	3.78
1000	3	"	"	5.00	144	6	"	"	3.16
800	3 1/2	"	"	5.80	120	7	"	"	4.20
					60	8	"	"	3.00

HILFINGER BROS. Pottery, Fort Edward, N. Y.

August Reiker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade Export



The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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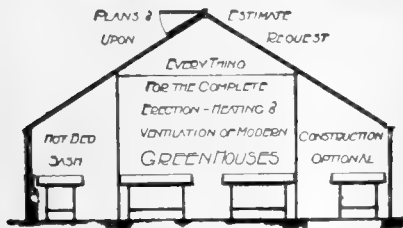
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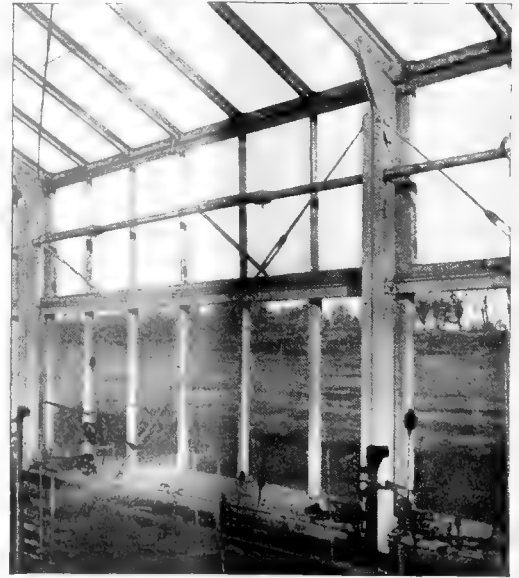
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Vol. XX
No. 4
JULY 25,
1914

HORTICULTURE



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LIST OF ADVERTISERS

	Page		Page		Page		Page		Page
Advance Co.	131	Cowee, W. J.	120	Harris, S. G.	98	McKenna & Son,		Plant Food Co.,	
Albany Cut		Craig, Robt. Co.	100	Hart, Geo. B.	122	P.	117	20th Century	129
Flower Ex.	122	Dards	116	Heacock, Jos.	111	McKenzie, John	100	Plantlife Co.	128
Allen, J. K.	122	Davenport, A. M.	100	Henderson, A., &		McManus, Jas.	122	Poehlmann Bros.	
Anderson, S. A.	117	Dorner, F. &		Co.	100	Metropolitan Ma-		98-120	
Aphine Mfg. Co.	129	Sons Co.	100	Hess & Swoboda	116	terial Co.	131	Pulverized Ma-	
Aschmann, G.	120	Dreer, H. A.	130-131	Hews, A. H. &		Meyer, Chas. F.	114	nure Co.	129
Asmus, Geo.	118	Dunlop, John H.	117	Co.	130	Michell's Seed		Quaker City Ma-	
Ayres Co., S.		Dysart, R. J.	120	Hilfinger Bros.	130	House	114	chine Co.	131
Bryson	114	Eastern Chem-		Hill, E. G. Co.	120	Michigan Cut		Randall's Flower	
Badgley, Riedel		ical Co.	128	Holland Nurser-		Flower Ex.	120	Shop	117
& Meyer	122	Edwards Folding		ies	98	Millang, Chas.	122	Reed & Keller	122
Barrows & Son	100	Box Co.	120	Holm & Olson	116	Montreal Floral		Reid, Edw.	120
Bayersdorfer, H.		Elliott's, W.		Hotel Brunswick	119	Exchange	122	Reuter's	118
& Co.	118	Sons	98	Hotel Puritan	119	Moore Hentz &		Rice, M. Co.	117
Bay State Nur-		Ernest, W. H.	130	Hotel Victoria	119	Nash	122	Roehrs, J. Co.	111
series	98	Esler, J. G.	131	Kasting, W. F.		Murray, Samuel	116	Roland, Thomas	100
Bobbink & At-		Eyres	117	Co.	120	National Nur-		Rolker, A. &	
kins	98	Farmers and		Keller, J. B.		seriesman	98	Sons	99-130
Boddington, A. T.		Florists Fertil-		Sons	116	Newport Horti-		Rosery, The	116
110-113		izer Co.	129	Keller, J. M. Co.	100	cultural Soc.	119	Sander & Son	111
Boliano & Son,		Farquhar, R., &		Kentucky Tobac-		Newport Garden		Sanderson Fertil-	
J.	115	J. & Co.	115	co Product Co.	129	Club	119	izer & Chemi-	
Boston Florist		Foley Mfg. Co.	131	Kervan Co.	122	Nicotine Mfg. Co.	129	cal Co.	129
Letter Co.	120	Ford, M. C.	122	King Construc-		Niessen, Leo Co.	120	Schiller	118
Breck, J. &		Ford, W. P.	122	tion Co.	130	Oechslein, Ernest	100	Schling, Max	117
sons	115	Framingham		Komada Bros.	118	Ouwerkkerk, P.	98	Schultheis, A.	100
Brietmeyer's, J.		Nurseries	98	Kramer, F. H.	117	Palmer, W. J. &		Schwake, Chas.	
Sons	116	Froment, H. E.	122	Kroeschell Bros.	131	Son	116	& Co.	99
Bryan, Alonzo J.	100	Frost, Chas.	112	Kuebler, W. H.	122	Park Floral Co.		Sheridan, W. F.	122
Burnett Bros.	115	Galvin, Thos. F.	117	Lager & Hurrell	111	109-116		Sharp, Partridge	
Burpee, W. A. &		Gasser Co., J. M.	117	Lemon Oil Co.	130	Parshelsky Bros.	131	& Co.	131
Co.	115	Gillen & Baum		Leonard Seed Co.	115	Peirce, E. Allan	120	Siebrecht, Geo.	
California Seed		gartel	131	Loechner & Co.	99	Pennock-Meehan		C.	122
Growers' Asso.	115	Graham Adam		Magnum Bonum		Co.	121	Siggers, & Sig-	
Carter's Tested		& Son	116	Nursery	111	Penn the Florist	117	gers	131
Seeds, Inc.	115	Gude Bros. Co.		May & Co., L. L.	117	Pierce, F. O.	131	Skidelsky, S. S.	
Champion, J. N.		Hail Association	131	McCarthy, N. F.		Pierson, A. N.	100	& Co.	115
& Co.	117	Hall & Robin-		Co.	120	Pierson, F. R. Co.		Small, J. H. &	
Childs, John		son	117	McConnell, Alex.	116	111-118		Sons	117
Lewis	111	Hammond's Slug		McHutchison &		Pierson F. R.		Smith, P. J.	122
Clarke's D. Sons	116	Shot Works	128	Co.	100	Co.	100	Smith, P. J.	122
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Carnations

All early planted houses will take up a good deal of attention from this out. Be very careful about watering. I think the best plan is to just water around each plant until they begin to make roots through the soil, when the whole bed should be watered. The carnation certainly does love plenty of fresh air so see that the ventilators are wide open on all possible occasions. During bright weather give them a good syringing. Keep the soil between the plants well worked; this will let the sun and air into the soil. Go over the plants regularly and pinch off shoots that are going to make a flower. This pinching can go on for some little time yet.

Lilies

Much of the plant growers' attention now centers in the stock to be had in readiness for next Easter. Without question, lilies hold the foremost place. The bulbs generally used for early forcing will do well in 5-inch pots singly, or larger ones to a 6-inch pot. For winter flowering the bulbs cannot be potted and started any too soon; in fact, you should get them just as soon as they can be procured. There is a good demand for lilies all through the winter and a few dozens a week are acceptable to every country florist who has design orders to fill. Easter comes April 4th, a week earlier than last Easter. In potting, the top of the bulb ought to be just level with the surface of the soil. The potting soil should be rich, but without green manure. Cover from four to six inches with coal ashes. They are left outside until they have made roots. About the middle of December they may be brought in and placed on benches in a temperature of not over 50 degrees.

Freesia Bulbs

Bulbs dried off last year and kept in good shape will make very good stock to plant. Do not fail to give them a good rich compost—say, three parts fibrous loam and one of well decayed cow manure. After they are planted place the pans or flats in a frame, where they can have the protection of sashes during heavy rains. They can stay here until the end of August, when they can be brought in and grown on. To bring these bulbs in early they will require a temperature of about 60 degrees during the night. When they have filled their flats with roots they will want great quantities of water at the roots, with light syringing overhead once a day.

Pansies

Pansies are being more appreciated each year as winter flowers. They will never equal the violet in popu-

larity but are worthy of more attention than they have yet received and are quite a profitable crop. Their requirements are a cool house with winter temperature minimum of 40 to 42 degrees and a rich soil. If wanted for winter blooming they should be sown at once. Unless many thousands of plants are to be raised, a cold frame is the best place in which to sow the seed. Make the soil light and moderately rich, and pulverize it well. Sow the seed broadcast, cover lightly and keep well watered and germination will take place in eight or ten days. Once the seed is up, avoid coddling and remove the sashes. When large enough prick out into other cold frames about four inches apart each way. There are many choice strains of large-flowering pansies on the market. Many are selections from or improvements on Trimardeau which remains one of the best all-round varieties in commerce today. Do not purchase cheap seed, but buy the best as it is the cheaper in the end.

Poinsettias

You will have use for plenty of dishes and pans filled with these for Christmas trade. Don't break them off the wooded stem but use the knife, and let one or two eyes of the soft wood remain on the plants to give more cuttings again; these small cuttings make fine stock for small pans. Use fairly coarse sand, with good drainage for the cuttings. As they bleed much when cut, dip the bottoms in powdered charcoal as soon as made. Throw the cuttings into a wooden pail or tub of fresh water for a couple of hours before placing them in the sand, then soak the sand well. The cutting bench should be in a warm house, or in a small frame with a sash, inside the house. This will insure a closer and warmer atmosphere. Do not, however, keep entirely closed, or many will rot. Keep sun and wind away from the cuttings at all times. Pot as soon as the roots are an inch long. Use a light, sandy compost at first; later it can be heavier and it should be made moderately rich for the final potting. Keep shaded and moist until they take hold of the compost after which they should have full sun.

Sowing Coreopsis

To have good strong plants for next summer's flowering sowing should now be made without delay. The seed can be sown in some vacant frame, where they can have a little attention in the way of watering. When they have formed two or three leaves they can be transplanted into other frames and grown on. They can stay in these frames until next April, when they can be planted out in the open.

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HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—Roses at Roger Williams Park, Providence, R. I.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Carnations—Lilies—Freesia Bulbs—Pansies—Poinsettias—Sowing Coriopsis— <i>John J. M. Farrell</i>	101
ROSE GROWING UNDER GLASS—Weeds—Lawns Around Greenhouses—Signs—Syringing—The Pots— <i>Arthur C. Ruzicka</i>	103
SOCIETY OF AMERICAN FLORISTS—Program of the Thirtieth Annual Meeting and Exhibition.....	104-105
BRITISH HORTICULTURE— <i>W. H. Adsett</i>	107
THE GARDENERS' PROGRESS— <i>M. C. Ebel</i>	110
CRATAEGUS PYRACANTHA— <i>Hubert M. Canning</i>	111
OBITUARY—Isaac Boyd—William Meier—Andrew Harth—Mrs. Frank Beu.....	112
THE GINGER JAR— <i>George C. Watson</i>	114
OF INTEREST TO RETAIL FLORISTS: Business Pointers—Steamer Departures.....	116
Flowers by Telegraph—New Flower Stores.....	117
Store Lighting.....	118
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago, Cincinnati, New York, Philadelphia, St. Louis, Washington.....	121-123
CLUBS AND SOCIETIES—Nassau County (N. Y.) Horticultural Society—American Gladiolus Society..	123
DURING RECESS—Lancaster County Florists' Club	123
MISCELLANEOUS—An Old Well Head—Illustrated...	105
Borax as a Larvacide.....	106
Agricultural Department Work.....	106
House and Field of New Carnation Alice—Illustration	106
Newport Show.....	107
Hartford Park Gardens—Illustrated.....	107
Evolution of a Florist Establishment—Illustrated...	108
Massachusetts Agricultural College—News Notes....	108
Robert Craig and P. Welch—Illustrated.....	108
Catalogue Received.....	108
Philadelphia Notes.....	108
Ability, the Just Test in Gardening— <i>David S. Miller</i> ..	110
A Lily Feast.....	110
A Big Peony Deal.....	111
Leaf Spot on Nasturtiums.....	112
Roses in Roger Williams Park.....	113
New Incorporations.....	114
Business Troubles.....	116
Gladiolus Rochester White—Visitors' Register.....	118
Washington Notes, W. A. Taylor, Portrait.....	118
Visitors' Register.....	118
Personal.....	123
Greenhouses Building or Contemplated.....	130
Old Bones as Fertilizer.....	130

The presidency

We understand that already two candidates are to be entered in the race for the office of president of the Society of American Florists by their friends. There may be others also, but the two gentlemen prominently mentioned now are both well worthy of the honor, having been earnest, self-sacrificing workers in the Society and in all movements for the advancement of floriculture. So, it is gratifying to know that whoever may win out, the Society will in either event have a good and efficient chief officer. While rivalries which invite personalities and caustic discussion are always to be deplored, yet from the standpoint of the Society's membership roll and for other obvious reasons a contest for offices carried on without aspersion or heated contention is healthy and far preferable to "cut-and-dried" or prearranged unanimous elections. The Boston Convention will be a lively affair, and, we sincerely hope, a good-natured one.

About anonymous writers

Mr. Ebel, in his remarks in this week's issue on the gardener's progress, mildly rebukes the assistant gardeners for concealing their identity behind a nom de plume in their communications to HORTICULTURE. It is generally known, we think, that HORTICULTURE does not believe in anonymous signatures and is quite in accord with the views of the late Peter Henderson who said that if a man wrote anything worth printing he should not be ashamed to sign his own name to it. But, there are obvious reasons which may at times justify one employed as an assistant in any profession in withholding his identity when discussing matters which might be construed as affecting his relations with his superior in position, and so long as the views expressed are respectful and devoid of personal detraction we have thought best to make allowances in this particular instance, considering the circumstances.

Education lacking

The Southern Merchant, one of the brightest of our exchange publications, says, "The more you know about how and where goods are made the better you can sell them and, what is sometimes just as important, the better you can buy them." The writer probably did not have the flower business in mind when he wrote, but his remark is quite applicable to that industry. We often think how little concern there is, nowadays, among the people who buy flowers for retailing, as to how the goods are produced and where. There was a time when most city florists were more or less experienced plantmen and flower growers but anyone visiting the city flower markets now, during the busy hours, would have some difficulty in finding one experienced grower among the throngs of buyers and, in fact, would not be much more successful in a similar quest among the salesmen. The material is handled simply as so much merchandise without regard to its origin or its position in the world of flowers. Perhaps it is unavoidable that the florist trade should take this course but we cannot resist the conviction that it would be a decided advantage to any salesman in a flower store if he knew more than is commonly the case "about how and where the goods are made."

Simply "traders"

The retail florist, from the very nature of his business, is brought into a very close personal relationship with his customers, much more so than is the case with most tradesmen. It is greatly to his interest to promote and develop this friendly affinity—in fact, in suburban communities especially it is one of the strongest factors in working up a dependable and profitable business support. Here is where a well-grounded knowledge of plant lore and the ability to properly answer the myriad questions that are sure to be asked and give advice on cultural points based on practical experience counts for much. The public generally expect the florist to know about these things and a confession of ignorance or a misleading or evasive answer on his part will do him incalculable harm in the estimation of a cultured customer. As we have taken occasion to say many times heretofore, one of the most effective appeals a florist can make to the community in which his lot is cast is to encourage and support enthusiastically every movement for local improvement, proclaiming by advice and example the gospel of beauty as exemplified in homes adorned inside and out with plants and flowers and a town similarly beautified in its streets and public places. Florists of the class who are simply traders and who aspire to no accomplishment save that of profitable buying and selling may perhaps attain that ambition but they are not likely to ever get any further.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Weeds

This is the time of the year when the weeds which have been allowed to grow undisturbed since spring, will be in their full glory, and if they are not cut down before very many days, there will be an excellent crop of seeds to blow into the greenhouse soil, and all the cultivated plots around the greenhouses. It will take but little time to cut these all down with a scythe and burn them when they are dry enough. It pays to keep the place free from all weeds, for the seed will be bound to get into the garden, or somewhere, where it will take time and money to remove them. The weeds especially delight in growing in old soil that has been wheeled out of the houses and not disposed of. If these are allowed to go to seed the old soil will be full of them, and then when the soil is spread on the field or garden there will be an excellent crop of weeds to contend with. Cut all the weeds down, and if they are through blossoming, better burn them. Should they not be in blossom as yet, they will make excellent humus, and it would be a shame to burn them. Turn them under while they are green.

Lawns Around the Greenhouses

There is nothing more pleasing than a nice short-cut lawn around the greenhouse, and it is surprising how little trouble it is to make one, and then to keep it made after it starts to grow. With plenty of old grass around, old sod, etc., it will be difficult to start a lawn that will be free from weeds. There is only one way to do this, and that is to keep all the ground plowed up for one season, destroying all the vegetation that appears. It is well to plow the ground once in a while, and harrow it again and again, so that at the end of the season, not only will all the weeds, old sod and grass of all sorts be dead, but the ground will be in an excellent shape to receive the grass seed. Manure or old greenhouse soil can be mixed in when it is being plowed and harrowed, and then there will be no trouble to keep a lawn after it gets established, for the soil will be in good shape, well broken and loose for quite a depth.

Signs

You seldom see a factory without a sign on it as to the name of the firm and the articles manufactured, and we think all florists should have signs over their greenhouses with their name, and their specialty. The returns on the investment might not come in at once, but in time the sign would not only pay for itself, but would

earn good dividends. Just to illustrate, a man of means passed a greenhouse place in his car for several years without ever knowing who owned the greenhouses, and what he grew. He bought flowers in the city, and was real surprised when once he learned that he could buy better flowers right on his way home. A year's trade with this man would have paid for the sign that the florist might have had. Keep advertising, and advertising will keep you.

Syringing

Do not neglect to syringe your plants as often as is possible. It has a limit, too, but as a rule the plants are not syringed enough. By syringing we do not mean just taking the hose and sprinkling the water all over the house, wetting the plants and the walls. We would call that "sprinkling." When syringing, it should be done thoroughly, taking care to syringe well into all the corners, and around all the braces, and where the hose meets between the faucets. Always try to get as little water on the benches as possible, and always syringe from the back of the benches to the front so as to throw as much water into the walks, and when syringing the front rows syringe so as to keep the water right in front without throwing it on the back rows too much. This is not so very important in the summer when the benches will dry out anyhow, but it affords a good chance to get into good practice for the winter, for it is easy to see where the water falls, now when the plants are small. Use plenty of pressure, but not enough to tear all the leaves to pieces.

The Pots

There never was a better time than the hot days of summer to get all the pots washed and into shape for the coming season when they will be needed again. Pot washers can be bought reasonably, and they will certainly save a lot of time. A handy man on the place will make one very easily, and a small electric motor will not cost much to run it. Where neither pot washer or motor are to be had, the good old-fashioned way of washing by hand will do. At any rate it is best to wash all the pots clean, and never use a dirty pot. We would never wear soiled clothes, or change into soiled clothes. Plants are much the same way. They have to be kept clean to do at all well. Wash the pots now and see that they are washed clean. It is very important to remove all green scum and dirt, leaving the pot fresh and sweet, as good as new.

The Special Convention Number of Horticulture

WILL BE ISSUED ON AUGUST 15

This will be an issue of exceptional interest and will be widely circulated and widely read. Its value as an advertising medium for all floral and horticultural material cannot be over estimated. S. A. F. trade is always worth a special effort at Convention time. Send your order in early and it will have our best attention.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Incorporated by Act of Congress, March 4, 1901

Program of the Thirtieth Annual Meeting and Exhibition to be held in Mechanics Building, Boston, Massachusetts, August 18, 19, 20, 1914

The 1914 Button admits members to the hall and meetings. Please register at once in the Secretary's office upon arrival at the Convention Hall.

Officers.

President, Theo. Wirth, Minneapolis, Minn.

Vice President, Patrick Welch, Boston, Mass.

Secretary, John Young, 53 West 28th street, New York City.

Treasurer, Wm. F. Kasting, Buffalo, New York.

Executive Board.

For one year—Chas. H. Totty, Madison, N. J.; John A. Evans, Richmond, Ind.

For two years—Thomas Roland, Nahant, Mass.; Aug. F. Poehlmann, Morton Grove, Ill.

For three years—J. J. Hess, Omaha, Neb.; J. A. Peterson, Cincinnati, Ohio.

Ex-officio—J. K. M. L. Farquhar, Boston, Mass.

Washington representative—Wm. F. Gude.

National Flower Show Committee.

W. P. Craig, Philadelphia, Pa., term expires Dec. 31, 1914.

W. N. Rudd, Morgan Park, Ill., term expires Dec. 31, 1915.

Thomas Roland, Nahant, Mass., term expires Dec. 31, 1916.

Chas. H. Totty, Madison, N. J., term expires Dec. 31, 1917.

George Asmus, Chairman, Chicago, Ill., term expires Dec. 31, 1918.

Adolph Farenwald, Roslyn, Pa., term expires Dec. 31, 1919.

State Vice-Presidents.

Alabama, W. B. Paterson, Jr., Montgomery; California (North) Daniel MacRorie, San Francisco; California (South) Edwin Lonsdale, Lompoc, Colorado, John Edward Johnson, Colorado Springs; Connecticut, John F. Huss, 1103 Asylum street, Hartford; District of Columbia, Elmer C. Mayberry, Washington; Florida, C. D. Mills, Jacksonville; Georgia, A. C. Oelschig, Savannah; Idaho, J. W. C. Deake, Twin Falls; Illinois (North) W. J. Keimel, Elmhurst; Illinois (South) J. F. Ammann, Edwardsville; Indiana, (North) J. S. Stuart, Anderson; Indiana, (South) Jos. H. Hill, Richmond; Iowa, Roy F. Wilcox, Council Bluffs; Kansas, Chas. P. Mueller, Wichita; Kentucky, George E. Schultz, Louisville; Louisiana, Harry Papworth, New Orleans; Maine, A. E. Thatcher, Bar Harbor; Maryland, George Morrison, Carroll P. O., Baltimore; Massachusetts, (East)

Wm. R. Nicholson, Framingham; Massachusetts (West) Alfred J. Loveless, Lenox; Michigan, (East) Frank Danzer, Detroit; Michigan (West) Henry Smith, Grand Rapids; Minnesota, C. F. Rice, Minneapolis; Mississippi, S. W. Crowell, Roseacres; Missouri, (East) Robert J. Windler, St. Louis; Missouri, (West) W. L. Rock, Kansas City; Montana, J. C. Ring, Helena; Nebraska, Irwin F. Frey, Lincoln; New Hampshire, George E. Buxton, Nashua; New Jersey, Joseph A. Manda, West Orange; New York, (East) J. H. Pepper, New York; New York, (West) S. A. Anderson, Buffalo; North Carolina, Wm. Rehder, Wilmington; Ohio, (North) H. P. Knoble, Cleveland; Ohio, (South) C. E. Critchell, Cincinnati; Oklahoma, George Stiles, Oklahoma City; Oregon, E. T. Mische, Portland; Pennsylvania, (East) Fred Hahman, Philadelphia; Pennsylvania (West) W. A. Clarke, Pittsburgh; Rhode Island, Fred C. Green, Providence; South Carolina, C. A. Moss, Spartanburg; South Dakota, W. F. March, Mitchell; Tennessee, C. L. Baum, Knoxville; Texas, Henry F. Greve, Dallas; Utah, A. J. Alt, Salt Lake City; Virginia, F. A. Whelan, Mt. Vernon; Washington, J. W. Duncan, Spokane; West Virginia, S. A. Gregg, Charleston; Wisconsin, F. H. Holton, Milwaukee.

Canada—Alberta, A. M. Terrill, Calgary; Manitoba, H. E. Philpott, Winnipeg; Ontario, H. Dilleuth, East Ontario; Quebec, George A. Robinson, Montreal.

1914 Convention Advisory Committee.

Patrick Welch, Boston, Mass.; Thomas Roland, Nahant, Mass.; J. K. M. L. Farquhar, Boston, Mass.

Other Officers.

Botanist—Prof. J. F. Cowell, Buffalo Botanic Gardens, Buffalo, N. Y.

Pathologist—Prof. E. M. Freeman, Plant Pathologist, University Farm, Minneapolis, Minn.

Entomologist—Prof. W. E. Britton, State Entomologist, New Haven, Conn. Chairman, Committee on Sports—Chas. E. Critchell, Cincinnati, Ohio.

Superintendent of Trade Exhibition—John Young, 53 West 28th street, New York.

Superintendent of Convention Garden—James B. Shea, Dept. of Parks, Boston, Mass.

Sergeant-at-Arms — George Cruikshank.

Tariff and Legislative Committee.

Wm. F. Gude, Chairman, 1214 F. street, N. W., Washington, D. C.; Jas. McHutchison, 17 Murray street, New York City; W. F. Kasting, 383-387 Ellicott street., Buffalo, N. Y.; R. M. Ward, 71 Murray street, New York City; Julius Roehrs, Rutherford, N. J.; A. L. Miller, Brooklyn, N. Y.

Committee on School Gardens.

Benjamin Hammond, Chairman, Beacon, N. Y.; Irwin Bertermann, 241 Massachusetts Ave., Indianapolis, Ind.; Gust. X. Amrhn, Supt. of Parks, New Haven, Conn.; Michael Barker, 440 So. Dearborn street, Chicago, Ill.; Leonard Barron, Garden City, N. Y.

Judges for the Trade Exhibition.

Sections A, B, and F—M. A. Patten, Tewksbury, Mass.; Wm. Sim, Cliftondale, Mass.; John R. Fotheringham, Tarrytown, N. Y.

Sections E and G—Thomas F. Galvin, Boston, Mass.; Wm. F. Kasting, Buffalo, N. Y.; Olaf J. Olson, St. Paul, Minn.

Sections C and D—Wm. H. Siebrecht, Sr., Chappaqua, N. Y.; Jos. A. Manda, West Orange, N. J.; Frank H. Traendly, New York.

Judges of the Convention Garden.

Robert Cameron, Cambridge, Mass.; J. F. Huss, Hartford, Conn.; Harry A. Bunyard, New York; Gustav X. Amrhn, Supt. of Parks, New Haven, Conn.; John N. Champion, New Haven, Conn.

Past Presidents.

*1884 John Thorpe, 1885 John Thorpe, 1886 John Thorpe, 1887 Robert Craig, 1888 E. G. Hill, 1889 John N. May, *1890 J. M. Jordan, 1891 M. H. Norton, 1892 Jas. Dean, *1893 Wm. R. Smith, *1894 J. T. Anthony, 1895 Edwin Lonsdale, *1896 Wm. Scott, 1897 Adam Graham, 1898 W. F. Gude, 1899 W. N. Rudd, *1900 E. M. Wood, 1901 Patrick O'Mara, 1902 John Burton, 1903 John Burton, 1904 Philip Breitmeyer, 1905 J. C. Vaughan, 1906 Wm. F. Kasting, 1907 Wm. J. Stewart, 1908 F. H. Traendly, 1909 J. A. Valentine, 1910 F. R. Pierson, 1911 George Asmus, 1912 Richard Vincent, Jr., 1913 J. K. M. L. Farquhar. *Deceased.

The Secretary's office will be near

the main entrance inside the Convention Hall.

New Members. Those desiring to become members should apply at the Secretary's office. It will facilitate the secretary's work, if members will remit now for the 1914 assessment.

Life Members' Buttons. Life Members' buttons will be sent to those entitled upon receipt of seventy-five cents.

PROGRAM.

**Tuesday, August Eighteenth.
First Day.**

OPENING SESSION.

2 P. M., Opening Exercises in Paul Revere Hall, Mechanics Building.

Address of Welcome, by Hon. James M. Curley, Mayor of Boston. Response by Frank R. Pierson, Tarrytown, N. Y.

President Wirth's Address; Report of Secretary; Report of Treasurer; Reports of State Vice-Presidents; Consideration of Invitations for Meeting Place for 1915.

EVENING.

8 P. M., Reception to President Wirth—Copley Plaza Hotel. Music. Dancing, Refreshments; strictly informal.

Balloting for next Meeting Place.

**Wednesday, August Nineteenth.
Second Day.**

MORNING.

9 A. M., Meeting of The Florists' Telegraph Delivery.

9 A. M., Meeting of The American Sweet Pea Society.

10 A. M., Annual Meeting of the Ladies' Society of American Florists.

10 A. M., Session S. A. F. & O. H. Report of the National Flower Show Committee, George Asmus, Chairman. Discussion.

Nomination of Officers for 1915; Report of the Judges of Trade Exhibition and the Convention Garden; Report of Committee on President's Address; Discussion.

Affiliation—Special Report of Board of Directors.

At the morning session of Friday, Aug. 22, of the Minneapolis Convention, the following recommendation of the Board of Directors was adopted:

"That the fee for members of any regular florists' clubs who wish to join the S. A. F. & O. H. as a body, will be reduced to Three Dollars for the first year, and the annual dues thereafter to be Two Dollars per year for each member thereof. These dues must be paid to the S. A. F. & O. H. by the treasurer of each club and not by the members individually, and we further recommend that our constitution and by-laws be amended to comply with this recommendation."

At the meeting of the Board of Directors, held in Boston, March 17-18, 1914, the matter of affiliation was again very thoroughly discussed by the full Board, with the result that the recommendation was considered to be rather indefinite. It was therefore voted that a special committee of three be appointed to work out a definite plan of affiliation, the same to be presented as an amendment to the constitution and by-laws. The Committee, consisting of Messrs. George Asmus, chairman, Wm. F. Kasting and J. J. Hess, ultimately submitted the following amendment, which has been approved and is now recommended for adoption by the Board of Directors in place of the recommendation offered at Minneapolis:

Amendment to Paragraph (b) of Section 2 of Article II.

1. That clubs, societies or kindred organizations of professional florists, gardeners and horticulturists, having a paid-up membership of one hundred or more members in the S. A. F. & O. H., shall be entitled to one representative on the Board of Directors of the S. A. F. & O. H.

AN OLD WELL HEAD.



Our illustration shows how an old well head on one of the beautiful private estates near Boston has been utilized as a garden feature. In June

and July rambler roses are used in its adornment and these are succeeded in fall by Clematis paniculata which garlands it with exquisite effect.

2. Such representative shall be the president of such organization and must be a member of the S. A. F. & O. H.

3. Any elective officer or appointed director of the S. A. F. & O. H. shall not be eligible as a representative of such organization.

4. When the president of any such organization is already a director, the vice-president shall be eligible for the office.

5. Any organization applying for representation shall submit to the secretary of the S. A. F. & O. H. a complete list of its membership. It shall be the secretary's duty to confirm same and submit it to the president for final confirmation. Such list shall be in the hands of the secretary by December first of each year. Announcement of such director shall be made by the president-elect on January first of each year.

AFTERNOON.

2 P. M., Essay—"What Should the Society of American Florists Do for the Private Gardener?" by Arthur E. Thatcher. Discussion.

2 P. M., Bowling Contest, Ladies' S. A. F., at the New Boston Alleys, 167 Washington street.

**Thursday, August Twentieth.
Third Day.**

MORNING.

9 A. M., Automobile Ride for the La-

dies, starting from the Copley Plaza Hotel, to the North Shore.

9 A. M., Meeting of the Florists' Hall Association; Meeting of the American Carnation Society.

10 A. M., Meeting of the American Gladiolus Society; Meeting of the American Rose Society.

11 A. M. to 12 M., Polls Open for the Election of Officers.

AFTERNOON.

2 P. M., Question Box: Essay—"Adaptation of Plants to Soil," by Prof. Geo. E. Stone, Amherst, Mass.

2 P. M., Annual Bowling Tournament, S. A. F. & O. H., at New Boston Alleys, 167 Washington street.

EVENING.

8.45 P. M., The Ladies' Society of American Florists will entertain at the Copley Plaza Hotel.

Friday, August Twenty-First.

Guests of the Allied Horticultural Interests of Boston.

Full particulars of this day of entertainment will appear later. There will probably be a sea excursion and a dinner at one of the beach resorts.

BORAX AS A LARVICIDE

As a result of experiments, the specialists of the Department of Agriculture have discovered that a small amount of ordinary borax sprinkled daily on manure will effectively prevent the breeding of the typhoid or house fly. Similarly, the same substance applied to garbage, refuse, open toilets, damp floors and crevices in stables, cellars or markets, will prevent fly eggs from hatching. Borax will not kill the adult fly nor prevent it from laying eggs, but its thorough use will prevent any further breeding.

The investigation, which included experiments with many substances, was undertaken to discover some means of preventing the breeding of flies in horse manure without lessening the value of this manure as a fertilizer for use by the farmer. While the "Swat the fly campaign," traps and other devices for reducing the number of typhoid-carrying flies are of value, they are of less importance than the prevention of the breeding. It was realized, however, that no measure for preventing the breeding of flies would come into common use unless it was such that the farmer could use it on his manure pile without destroying its usefulness for growing plants, and without introducing into the soil any substance that would interfere with his crops.

As a result of experiments carried on at the Arlington Farm, in Virginia and New Orleans, La., the investigators found that 0.62 of a pound of borax, or 0.75 of a pound of calcined colemanite (crude calcium borate) would kill the maggots and prevent practically all of the flies ordinarily breeding in 8 bushels of horse manure from developing. In the case of garbage cans or refuse piles, 2 ounces of borax or calcined colemanite, costing from 5 cents a pound upward according to the quantity which is purchased, will effectually prevent flies from breeding.

While it can be safely stated that no injurious action has followed the application of manure treated with borax at the rate of .62 pounds for 8 bushels or even larger amounts in the case of some plants, nevertheless borax-treated manure has not been studied in connection with the growth of all crops, nor has its cumulative effect been de-

termined. It is therefore recommended that not more than 15 tons of the borax-treated manure should be applied per acre to the field. As truck growers use considerably more than this amount, it is suggested that all cars containing borax-treated manure be so marked, and that public health officials stipulate in their directions for this treatment that not over .62 (62/100) of a pound for 8 bushels of manure be used, as it has been shown that larger amounts of borax will injure most plants.

In view of this discovery, there now seems little excuse for any horse owner or resident of a city allowing typhoid flies to breed in his stable or garbage can and it is believed that this information will greatly help the health authorities in their campaign against the typhoid fly. The details of the experiments with borax and other larvicides will be found in U. S. Department of Agriculture Bulletin, No. 118.

AGRICULTURAL DEPARTMENT WORK.

While the office of Foreign Seed and Plant Introduction concerns itself with plants introduced from abroad, the office of Horticultural and Pomological

HOUSE OF NEW CARNATION ALICE.

Photographed July 4, 1914.



FIELD OF 40,000 CARNATION ALICE.

Photographed July 4, 1914



Investigations is mainly interested in the fruits, vegetables and flowers now grown on a commercial scale in this country. The office maintains a voluminous correspondence with growers, shippers, and individuals throughout the country who desire information on any of the following topics:

Adaptability of fruit varieties to environment.

Methods of fruit culture.

Problems of orchard management.

Harvesting, handling, packing, shipping and storage of fruit.

Precooling of fruit and vegetables, and shipment under refrigeration or ventilation.

Chemical phases of fruit-ripening and the manufacture of concentrated fruit juices and by-products.

Identification and description of fruit varieties.

Nut culture (pecans, walnuts, chestnuts, almonds, hickories).

Improvement of citrus and deciduous fruits through bud selection, by crossing and by hybridizing.

Methods of growing, harvesting, handling, shipping, storing and marketing of vegetable and truck crops or crops grown under glass.

Commercial potato culture and the improvement of seed potatoes by breeding and selection.

Growing, harvesting, curing, threshing, and by-products of peanuts and the improvement of commercial varieties.

Commercial production of flower and garden seed.

School garden work.

Landscape gardening and the use of trees, shrubs, and flowers on streets and lawns and in parks.

Improvement of flower varieties.

This office is working to determine the exact behavior of fruit varieties under different environments and the geographical range of successful culture of different kinds and varieties of fruit; it also furnishes information as to the cultural conditions and methods best suited to the growing of different fruits.

The improvement of handling and marketing conditions and the practical solution of the problems of transportation and storage with which growers and dealers are concerned comprise a large portion of the work of the office.

BRITISH HORTICULTURE.

The Holland Park Show.

In brilliant weather the Royal Horticultural Society held its summer show at Holland House, Kensington, on May 30th and the two following days. As usual at this fixture orchids made a brilliant display, some fine specimens being staged by Sir George Holford, Sir Jeremiah Colman, two leading amateur growers; and by the trade growers, Sanders & Son, Charlesworth & Co., Stuart Low & Co., Mansell & Thatcher, and others. Roses were a strong section. Amongst the novelties was the new White Rambler, raised by Rev. J. H. Pemberton. The chief rosarians were well represented. Carnations also made a gay array, these being contributed by H. Burnett, A. F. Dutton, Engelmann, Stuart Low & Co., Cutbush & Son, Douglas, Young & Co., etc. Sweet peas were seen to perfection from Dobbie & Co., Sutton & Sons, King & Sons, Hobbies, Ltd., and others. Interest was aroused in the fruit trees laden with attractive produce shown by Veitch & Son. The Coronation cup, for the best exhibit was won by Wallace & Co., Colchester, Essex, for a water garden and Japanese iris. The Clay challenge cup for a new rose possessing the true old rose scent went to W. Paul & Son, for Queen of Fragrance.

Manuring Experiments With Sweet Peas.

At a recent meeting of the Scottish Horticultural Association in Edinburgh, Robert Fife, of Dobbie and Co., gave an account of the results of manurial experiments with sweet peas in 1913. With nitrogenous manure alone the result was only slightly better than with no manure, but the leaves were of a darker green and the nodules were but sparingly developed on the roots; with superphosphate of lime the leaves were large, dark green, and the plants were of strong growth, with an abundance of nodules on the roots. With sulphate of potash the leaves were small and dark green, the plants were of moderate growth, with a plentiful development of nodules on the roots. The best result was obtained with nitrogen, phosphate, and potash in combination. In the last mentioned trial the addition of magnesia or sulphate of iron made no appreciable difference.

A New Gardening Monthly.

The gardening publications on this side have now received an addition in the shape of a monthly, under the title of "My Garden, Illustrated." The new-comer is a creditable specimen of the printer's art, the color work being particularly good. It should appeal to a wide circle.

W. H. ADSETT.

TO REPEL THE ARMY WORM.

Letters, telephone messages, and individual callers have been soliciting aid from the U. S. Department of Agriculture to stop the advance of the hordes of army worms that threaten their fields of wheat, oats, corn, timothy, blue grass, and other grasses. There seems to be a general outbreak of this pest throughout the North, east of the Rocky Mountains. These worms are emerging from eggs laid

HARTFORD PARK GARDENS.



PERENNIAL GARDENS, ELIZABETH PARK, HARTFORD, CONN.

Hartford, Conn., has one of the finest park gardens in this country. It was laid out and planted under the direction of Theodore Wirth, now superintendent of Minneapolis' Park System, but at that time filling a similar position in Hartford. Under his successor, George W. Parker and his assistant

Alex. Cumming, Jr., it has been well cared for and a few weeks ago was the Mecca for the members of the American Rose Society who visited it especially to inspect the rose garden, which we illustrated at that time. The accompanying picture shows a portion of the hardy perennial section at Elizabeth Park.

by moths that apparently swarmed up from the Southwest. Great numbers of these moths have been noticed in the vicinity of Washington during the past month, hundreds of their broken wings having been seen near the Union Station. Lawns in the capital are being overrun by this pest.

How Worms May Be Destroyed.

If the worms have not yet attacked a field the most practical way to keep them out is to plow furrows in front of them, throwing the furrows in the directions toward which they are traveling. The worms will fall into the furrow and when this is full they may be killed either by dragging a log back and forth in the furrow or by destroying the worms in holes previously dug at intervals of 20 feet in the bottom of the furrow. Kerosene poured on them in the holes will destroy them.

If the worms are already in the field the following mixture which will attract the worms and destroy them should be spread about:

- 1 pound of paris green (poisonous),
- 50 pounds of wheat bran,
- Juice of one-half dozen oranges.

Bring this mixture to a stiff dough by the use of dilute molasses and scatter it amongst the worms. Care should be taken to keep this dough from children or domestic animals. Clean cultivation, rotation of crops, cleaning up of fence corners, close pasturage, and the burning over of waste grass land in the spring or fall, are good measures to prevent a recurrence of the army worm.

What to do for Lawns.

For small areas like lawns and pri-

vate grounds, the poison bait mentioned above may be used. Equally efficient is the application of a spray of one pound arsenate of lead dissolved in 25 gallons of water. If the powdered arsenate of lead is more easily obtainable, one pound of this may be mixed with 8 pounds of flour and dusted on the grass where the worms are feeding. It must be remembered that arsenate of lead is a deadly poison to men and animals, as well as to army worms.

NEWPORT SHOW.

The premium list of the mid-summer exhibition of the Newport Garden Club and Newport Horticultural Society to be held at "Belcourt", August 13-15, has been issued. The combined prize lists of the two organizations is a tempting one for any one having the goods to show. The affair comes off at one of the finest of the noted Newport private estates at the height of the gay season and will be viewed by the elite of the country who make their summer sojourn at the famed watering place. There will be the possibilities of big business for those who put up worthy exhibits, and for those who appreciate fine garden and greenhouse products there will be plenty to admire in the finished productions of the skillful gardeners who preside over the magnificent private estates which Newport boasts. Intending exhibitors can procure copies of the premium list from the secretary of the Committee of Arrangements, William Gray, Bellevue Ave., Newport, R. I.

Mr. and Mrs. J. H. Troy and son of New York, are in California on their way to the British Northwest.

EVOLUTION OF A FLORIST ESTABLISHMENT.



The accompanying pictures show a rejuvenated florist stand near Narberth, Pa., about eight miles from City Hall, Philadelphia. The place is located on one of the thoroughfares between Philadelphia and its suburbs, on the main line of the Pennsylvania Railroad, and has enormous traffic passing its doors. The place was kept for many years by florists. When it was at its prime as a florist establishment, it was in charge of Mr. Kreuger, who has since given up growing florists' stock, and located in Reading Terminal, Phila. But as the place was very old, it finally decayed, and could not be resurrected as a greenhouse establishment without rebuilding every square foot of glass. So when the present owner took hold of it, he de-

cided to turn it into a nursery, as the locality seemed favorable for that enterprise. The home grounds, as shown in these pictures, amount to two and one-half acres, with three additional acres rented from adjoining property owners on three sides. A general line of nursery stock is grown. The owner does not attempt to grow all he sells, largely using the grounds as a warehouse and transplants to this nursery trees from wholesale establishments where land is cheaper, and shade trees and evergreens can be grown for less money than they can in this high-priced section. Evergreens appear to be in most demand; shade trees, vines, and shrubbery next; and herbaceous plants in comparatively small demand.

Picture No. 1 shows a section of the drive, bordered with a low hedge and climbing roses on cedar poles. In the background is seen the original office, and the out-buildings. No. 2 shows the 12-foot privet hedge on the northwest side of the drive, and climbing roses trained on cedar poles. No. 3 shows the new office building just completed at a cost of about seventeen hundred dollars. It contains two rooms, toilet, and closets, and is heated by a hot air furnace. It also has a deep cellar for the storage of bulbs and roots. The front hedge is of golden privet, and is quite effective. This nursery has been named "The Garden." The owner is A. E. Wohlert, landscape gardener, Narberth, Pa.

MASSACHUSETTS AGRICULTURAL COLLEGE.

The Department of Floriculture of the Massachusetts Agricultural College is to have a booth at the S. A. F. Convention in Boston. Professor A. H. Nehrling, head of the Department, will be in charge and he will be glad to give information on any point concerning the work of the College, its courses and equipment. Illustrated pamphlets may be obtained at the booth telling of the work of the Department of Floriculture. The Department was established in 1906 and has the proud distinction of being the first of its kind in this country. By many, especially from the standpoint of the eastern grower, it is considered the best equipped institution for floricultural work. In recent years the Department has been strengthened by additional equipment for instructional work both in the class room and laboratory.

NEWS NOTES.

Flushing, Mich.—Mrs. Henry Welfare's greenhouses have been purchased by H. A. Moss.

Princeton, N. J.—The firm of Stockton & Howe has dissolved partnership, Mr. Howe retiring from the business.

Conshohocken, Pa.—Willis S. Baldwin has purchased the business and leased the greenhouses of Winfield S. Harry.

East Weymouth, Mass.—The greenhouse property at 261 Middle street, owned by Mrs. Lizzie Hanson, has been sold to E. Edward Buchey of Woburn.

"Horticulture has given satisfaction to me."

West Va.

Respectfully,

Y.

CATALOGUE RECEIVED.

Charles Frost, Kenilworth, N. J.—The Kenilworth Strain of Giant Pansy Seed. As remarked in our notes a few weeks ago. Mr. Frost has been carefully working up his giant pansy strain for many years and his seed beds bear witness to the splendid types he has developed and fixed. The catalogue just received lists them—and anyone interested in pansies will find it very interesting. The new "upright" pansy Princess is a leading item.

ROBERT CRAIG AND P. WELCH.



On the sands at Old Orchard, Me.

PHILADELPHIA NOTES.

In Barnegat Bay, "the fish are running fine and there are no mosquitos." When a man tells us that two and two makes six, we listen to him with much admiration. And do we plunge in headlong and invest? We do not.

John Burton reports a pleasant auto trip with the "old guard" of Montgomery county. Six cars went to Tuckerton and Beach Haven on the 18th and returned to Philadelphia on the 19th inst. Incidentally the party gave a passing call to Commodore Westcott and his good lady at Waretown, where they spent a pleasant half hour.

"Overbrook Gardens" is now a thing of the past. Edward A. Stroud has moved that proposition to his more elaborate place at Strafford. Henceforth the business will be carried on under the name of the "Strafford Flower Farms." Mr Stroud evidently means to go in more strongly for retail business than he has been doing in the past. Joseph Russell will be manager under the new arrangement. "The Main Line Floral Guide," an eight-page periodical, is the organ, and is a rather original idea. Far more effective than an ordinary catalogue, and yet in the long run costs very little more. The only trouble is it makes the boys think and sweat to get it out—and of all things that is what we all hate to do.

Visitors—R. T. Brown, Cottage Gardens Co., Queens, N. Y.; Wm. Mangen, So. Bethlehem, Pa.; Henry Fischer, Raspeburg, Md.; Wm. Plumb, superintendent of Floriculture, San Francisco; Edward McCallum and wife, Pittsburgh, Pa.

MILE HIGH QUALITY

CYCLAMEN, LORRAINE BEGONIAS and PRIMULA OBCONICAS are our leading specialties, and our cool nights enable us to send out stock that is sturdy and strong. All the stock offered below is of Mile High Quality. All will be shipped in paper pots which make a light package that will take second class express rate and will travel safely any distance. Today, for example, we shipped to such widely separated states as Texas, Utah, South Dakota, Wisconsin and Maryland. Just send the order, we will get them to you in good condition. Set that empty bench to earning money.

CYCLAMEN in Red, Pink, Salmon, White and White with Pink Eye

3 inch at 8c.

4 inch at 20c.

LORRAINE BEGONIAS—Sturdy and Strong.

2½ inch at 15c.

3 inch at 25c.

PRIMULA OBCONICA

2 inch at 4c.

2½ inch at 5c.

These are surprisingly free from objectionable colors. Remember that all stock offered is ready to shift up into larger sizes. If you buy in lots of a thousand or more, ask for special prices.

THE PARK FLORAL COMPANY

DENVER, COLORADO

TREAT YOURSELF

To a generous advertisement in the Convention Number of HORTICULTURE. Published

IN BOSTON

But read everywhere. It will reach the good buyers in all departments of the trade.

DO NOT

Let this unrivalled opportunity pass, but take advantage of it. Secure space NOW and give us time for careful attention. Goes to press August 12th.

THE GARDENER'S PROGRESS.

Editor HORTICULTURE:

Summed up, the contention of "Another Assistant," in your issue of July 18, is that after fifteen years' experience a gardener should be qualified to assume the full responsibilities of his profession. Few will disagree with him on that point and I believe that "An Assistant" who wrote in the previous issue will concur that if a man has had the opportunity of fifteen years of thorough training and is then incompetent, his competency as a gardener is never likely to prove of much. I infer from "An Assistant's" remarks that he had in mind a class of so-called assistants which exists within the profession, just as does the class of so-called gardeners, and that his grievance is directed against this class and not towards assistants that possess the ability that is manifested by the contributors in the arguments they present.

Assistants are no more to blame for the existing unfavorable condition than these gardeners who profess to be competent but who are no more so than the assistants who menace the profession by seeking to assume the charge of an establishment with no more knowledge of gardening than what was acquired through two or three years' service in greenhouses, and who will bid for a head gardener's position at a salary so low that no able gardener can compete; and whose action invariably results in another score against the profession by some inconsiderate estate owner who knows so little about horticulture himself that he cannot distinguish between a competent and an incompetent gardener when it comes to selecting one.

This is the age of young men, and opportunity awaits the assistants who are thoroughly proficient in their profession, which must include executive ability as well as ability to produce; and such young man should not permit themselves to be held in the background, for if they do how is the good in them to be uncovered? We have an illustration right at hand in your two correspondents. Their articles have elicited favorable comment, but they conceal their identity behind nom-de-plumes. Able men are continuously sought and there is no telling what their signatures, disclosing the authors, might have brought to them.

What "Another Assistant" states regarding the horticultural societies is unfortunately true to a considerable extent; but there is a growing tendency to make the meetings of local societies more educational and many of them now manage to have an essay or lecture at each meeting. Assistants are also being recognized; for one of these societies has inaugurated a plan to award a prize for exhibits made at each monthly meeting by assistant gardeners, and this is likely to be followed by other societies as the practice comes to their notice. The co-operative movement between various societies will bring about more serious consideration of the problems which confront the profession of gardening than has heretofore been given to them.

As an answer to the question—"If your present day gardener has gained success in this slipshod manner, what

is to hinder the assistant from accomplishing the same end?"—let it be said that the day of the "rule of thumb" methods is a thing of the past. Efficiency now counts with those engaged in gardening just as it does with those engaged in any other vocation. If it has accomplished nothing more, the recent controversy on the gardeners' problems has been fruitful in stirring up discussion among those most vitally interested—the gardeners themselves. We should have more of it and HORTICULTURE is to be commended for the space it is giving up to it.

M. C. EBEL, Secretary.
National Ass'n of Gardeners.

ABILITY THE JUST TEST IN GARDENING.

My worthy friend, from Newport I
Sings once again with inspired lay,
For uplift leaves us this solution—
"My children, you must all obey."
But this is not dame Natures way;
Since dawn of time, she's pointed aye,
Steadfastly to evolution.

Fast come the college graduates
To superintend the large estates
While we sit by, like headless buttons
They climbed not merit's rugged frame;
No reference bears their ex-boss' name;
They stand upon their college fame;
Not private flunkies, minus buttons.

Against such menace, what do we?
To all our great profession's free;
Admit it, make a true confession
Put on your kilts, I'll don my knickers
And stroll with you along the breakers,
There we'll agree to oust the fakers.
Injurious to the profession.

Let gardeners all united stand,
And haste the day in this fair land,
When we shall be forever free.
Why should it be, that wealth can tramp
On freedom, and men's character stamp?
Can wealth extinguish life's great lamp—
God's divine props to liberty?

EDWARD S. M.

July 20th, 1914.

A LILY FEAST.

A field of 50,000 lilies in bloom is certainly a rare sight outside of Japan. Yet that was the treat extended to the members of the Horticultural Club of Boston and a few other invited guests by R. and J. Farquhar & Co., on Thursday, July 16, when a party of about thirty gentlemen gathered around the hospitable board at the Parker House as guests of Messrs. Farquhar and were thence conveyed to Roslindale, where the aforesaid field of *Lilium myriophyllum* is now in full bloom and then to the extensive nurseries and greenhouses of the firm at Dedham.

Lilium myriophyllum we have illustrated and described before, on several occasions. Its wonderful fecundity is evidenced in the fact that Messrs. Farquhar have in the short space of time since receiving the first bulbs and seeds succeeded in producing 50,000 blooming bulbs. A most significant fact is that this exuberance is all displayed in the New England soil and climate—surely a supreme test for such a plant. Here is a bulb with unlimited commercial possibilities for forcing or for the garden and we do not have to look to Japan, Holland or any other foreign source for our supply. Among the guests were Robert Craig of Philadelphia and Judge C. W. Hoitt of Nashua, N. H., both of whom made spirited addresses at the symposium. It was learned that Messrs. Farquhar will add another very large house to their Dedham range this season.



Mignonette

BODDINGTON'S MAJESTY

THE finest of all the Fancy Varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety.

Trade Packet 60 cts., 1/8 ounce
\$1.00, ounce \$7.50.

ARTHUR T.
BODDINGTON

SEEDSMAN

342 West 14th St., - NEW YORK

"These Prices are for the Trade Only."

HYDRANGEA OTAKSA

We have some of the largest, finest, and most perfect specimens of hydrangeas in half-barrels that we have ever seen. Plants are just coming into bloom, and are beautiful symmetrical specimens covered with bloom, each plant having from one hundred to two hundred flowers. We have over three hundred of these fine plants in shape for immediate shipment, and every plant is a perfect specimen. There is nothing so magnificent for summer decoration as these large hydrangeas. They are very showy.

\$7.50, \$10.00 and \$15.00 each—according to size and number of blooms.

WINTER-FLOWERING ROSES

If you have not secured all the stock that you can use for planting for winter-flowering, we still have a very fine stock of the following varieties, which we can offer in perfect condition, ready for immediate shipment. Stock is gilt-edged in every way—extra strong, heavy plants from 4-inch pots. If you can use any, we will be glad to quote low rates. Write us the number you can use, and we will quote by return mail.

KILLARNEY Brilliant, Killarney Queen, Pink Killar-

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

EXTRA LARGE SPECIMENS FOR JULY AND AUGUST FLOWERING

ney, American Beauty, Lady Hillingdon, Richmond, Mrs. Chas. Russell, Mme. Cecile Brunner, or Mignon, or Sweetheart.

FERNS

There is nothing better for summer use than the fine varieties of NEPHROLEPIS. We offer a nice stock of the following varieties, well established plants ready for immediate shipment.

Nephrolepis elegantissima (The Tarrytown Fern), 3½-inch, 25c. each; 6-inch, 50c. each; 8-inch, \$1.00 each.

Nephrolepis magnifica, 3½-inch, 25c. each.

Nephrolepis muscosa, 3½-inch, 25c. each; 5-inch, 50c. each.

Nephrolepis Harrisii, 6-inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Nephrolepis Bostoniensis, 6-inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Pteris Wimsettii multiceps—fine hardy fern—3½-inch, 15c. each.

Small Ferns for Fern Pans. A fine assortment. 2½-inch, \$4.00 per 100.

A BIG PEONY DEAL.

T. C. Thurlow's Sons of West Newbury, Mass., have recently purchased of E. J. Shaylor of Weston, Mass., his entire collection of peonies with the exception of his own seedlings which he reserves. To these he will now give his whole attention and expects to produce some new varieties which will equal any that have ever been put on the market. Mr. Shaylor has spent a great deal of money in procuring the very best varieties in Europe and in this country and was awarded a gold medal by the Massachusetts Horticultural Society two years ago for his well directed efforts, the excellence of his exhibits and his valuable services in the interest of correct nomenclature.

The Peony lovers of Massachusetts are indeed fortunate in retaining the collection so near Boston, as, combined with the peonies which the Thurlows already have, this, no doubt, makes the finest collection of really meritorious peonies in this country. It is interesting to recall that the late T. C. Thurlow, father of the present owners, sold out his collection of peonies to the Chicago Carnation Co. fifteen years ago. This sale, and the publicity attending it, gave commercial peony growing more impetus than probably any other one thing. The Thurlows were this year recognized as the pioneer peony growers of America by receiving from the Massachusetts Horticultural Society their gold medal for popularizing the peony.

E. J. Shaylor commenced growing seedlings in 1900. His standard was set high, for unless a seedling showed up well in comparison with European specimens, he discarded it. The field of improvement as he saw it lay in producing something a degree higher than anything already in his collection. His seeds were selected only from a very few of the choicest varieties obtainable, such as Lady Duff and Mme. Jules Dessert, both of which are good seeders.

The only seedling yet shown by Mr. Shaylor before the Massachusetts Horticultural Society was awarded a first-class certificate (Miss Georgianna Shaylor). Mary Woodbury Shaylor and others may possibly be exhibited next season. There are probably ten thousand seedlings in his collection at the present time.

CRATAEGUS PYRACANTHA.

A shrub which is hard to find among the nurseries in large stock is the *Crataegus pyracantha*, Evergreen Thorn, which is a native of southeastern Europe. It is a handsome shrub attaining a height of from 10 to 20 feet in its native home, but seldom reaching over 6 feet in the northern states. It is highly prized for its brilliant scarlet fruits which stay on the plant until early spring, retaining their color throughout the winter, and making a handsome effect among the dark shining green leaves. The type has proven hardy in protected situations in eastern Massachusetts.

The variety *Lalandi* is much used in England for covering walls, and one wall, that at Belvoir Castle, some 200 feet long, was covered to a height of ten feet by this shrub, which through its habit of producing long slender branches, makes a good climber. The variety is said to be much harder than the type, and can be procured from several of the nurseries.

Both the type and its varieties may be propagated by cuttings of the mature wood taken in late fall. These should be kept growing, after having rooted, in a warm greenhouse. Tongue grafting on cotoneaster or any common *crataegus* is also successful. A slower and more tedious process is by layering in summer, but usually the quicker methods are preferred. Seeds of the type may be sown in late fall just before the ground freezes, which will germinate the first year, but will need protection from the sun the first summer.

As an ornamental plant for landscape work the type ranks equally with *Ilex crenata* and other broad-leaved evergreen shrubs for beauty, grace of habit, and color effect. Its thick mass of branches, which sweep the ground and which are covered with sharp thorns make an impenetrable barrier, although its use as a hedge is not recommended.

HUBERT M. CANNING.

BEST TERMS.

100,000 Calla Lily Bulbs

Warranted to be free from any disease

Let us estimate that order
Satisfaction guaranteed

MAGNUM BONUM NURSERY,

BEST PRICES.

Holland, Mich

HEACOCK'S KENTIAS



JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

FOR FALL DELIVERY.

GERMAN IRIS in Endless Varieties.
LILIUM HENRYI AND TENUIFOLIUM
in Endless Quantities.
Write Us for Prices.

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. **CATTLEYAS:** *Percivaliana*, *Gaskelliana*, *speciosissima*. **DENDROBIUMS:** *Formosum*, *Wardianum*, *nobile*, *densiflorum*, *Schuitzi*. **VANDAS:** *Coerulea*, *Batemannii*, *Luzonica*, *Imsechootiana*. **PHALAENOPSIS:** *amabilis*, *Schilleriana*, *Spathoglottis plicata*.

Write for Special List No. 55.
LAGER & HURRELL, Summitt, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World
SANDER, St. Alban s, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.



PRINCESS. 20—The New Upright Pansy

This strain is entirely distinct from all others. It is absolutely compact, upright growing and extremely weather-proof, enduring many storms without damage to its flower. The flowers are mostly blotched and frilled like the Masterpiece, of good form and heavy velvety texture, on heavy stems carried well above the foliage. Attractive by the brilliancy of its colors.

500 seeds 25c. 1000, 50c. 1/4 oz. \$2.50 1 oz. \$10.00

- 34—Bronze—Brown and copper shades mixed.
- 36—Fancy—Rich colors, mostly margined.
- 38—Mme. Perret—Red and wine shades
- 40—Zebra—Fine striped mixture
- 42—Adonis—Light blue white center.
- 44—Black—Almost coal black
- 46—Black with bronze center
- 48—Lord Beaconsfield—Purple shaded white
- 50—Bronze—Beautiful Bronze
- 52—Bronze with yellow center.
- 54—Velvet Brown with yellow center
- 56—Havana Brown.
- 58—Havana Brown with yellow center.
- 60—Cardinal—Curled, bright red, dark blotch.
- 62—Cecily—Steel blue, margined white
- 64—Goliath—Large curled yellow blotched
- 66—Hero—Curled deep blue shaded white

The KENILWORTH Giant Pansy

seeds are all grown by myself and are offered in the following mixtures and separate colors:

- 22—**KENILWORTH STRAIN** The flowers are of perfect form and substance; many of the immense flowers are from 3½ to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.
- 24—**KENILWORTH SHOW** An extraordinary strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.
- 26—**KENILWORTH CUT FLOWER MIXTURE**—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.
- 28—**MASTERPIECE**—A remarkable type; the curled, wavy petals giving the flower a double appearance, large flowers of great substance, on long, strong stem.
- 30—**GIANT THREE AND FIVE BLOTCHED PANSIES**—A superb mixture. Flowers large and of circular form and of great substance. The display of coloring is unsurpassed. A combination of almost every shade of rich velvety colors, reds are particularly conspicuous; the petals being distinctly marked with three or five large dark blotches.

NEW SEED NOW READY.

All sorts and mixtures, except the new Pansy Princess, are \$5.00 per oz., \$1.25 per 1/4-oz.; 5000 seeds, \$100; trade packet of 1000 seeds, 25 cents; any 5 pkts., \$1.00. Please order by number.

- 68—Emp. William—Ultramarine blue velvet eye
- 70—Eros—Velvety brown, yellow margin
- 72—Emp. Franz Joseph—White blotched blue
- 74—Emp. Frederick—Maroon with gold edge
- 76—Fairy Queen—Azure blue white edge
- 78—Freya—Purple violet, white edge
- 80—Gold-Edge—Velvety brown, gold edge
- 84—Superba—Orchid tints of red and wine
- 86—Sunlight—Yellow with brown blotches
- 88—Andromeda—Curled apple blossom
- 90—Colossea Venosa—Light veined shades
- 92—Almond Blossom—Delicate rose
- 94—Aurora—Terra cotta shades.
- 96—Mammoth—Greenish yellow shades
- 97—The above 7 named Orchid mixed
- 98—Indigo Blue—Deep velvety blue
- 100—Light Blue shades
- 102—Minerva—Red ground, violet blotched
- 104—Meteor—Bright red brown
- 106—Pres. McKinley—Yellow, dark blotched
- 108—Mahogany with white margin
- 110—Mahogany with yellow margin
- 112—Mourning Clock—Black with white edge
- 114—Purple—Large rich deep color
- 116—Peacock—Blue rose face white edge
- 118—Psyche Curled white, five blotches
- 120—Pres. Carnot—White, five blue blotches
- 126—Red—A collection of rich red shades.
- 128—Red Riding Hood—Curled and blotched
- 130—Rosy Morn—Purple crimson, white edge
- 132—Striped on lilac ground
- 134—Striped on bronze ground
- 136—Victoria—Blood red, violet blotches
- 138—White, Large satiny white
- 140—White with violet blotch
- 142—Yellow, Large golden yellow.
- 144—Yellow with dark blotch
- 146—34 to 144 mixed in equal proportions

For fuller description send for catalogue

RAINBOW is a mixture of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Obituary

Isaac Boyd.

Isaac Boyd, contractor and landscape gardener, who had planned and had charge of the work of beautifying the gardens of many residences on the Main Line, was buried Sunday, July 12, in St. Paul's Lutheran Church Cemetery, in Ardmore. He died Thursday, at his home on Holland avenue, Ardmore, Pa.

William Meier.

William Meier, fifty-four years old, a gardener of Jefferson county, Ky., succumbed to cancer of the stomach on July 10 at his home, on the Durrett lane, off the Preston street road, near Louisville. He was stricken ill two months ago. He was a native of Jefferson county, being a son of the late Henry Meier, a gardener.

His widow, five sons and two daughters survive him.

Andrew Harth.

Andrew Harth, a florist of Millburn, N. J., died July 12, after a long illness, in his sixtieth year. He had been in poor health for more than a year, suffering from neuritis. Born in Germany, he came to the United States in 1876 and settled in Brooklyn, from which place he moved to Millburn

twenty-two years ago, locating on the premises now occupied by the family. A widow, two sons, John Harth of Bay-side, Long Island, and Joseph of Millburn and two daughters, Misses Carrie and Angeline Harth, of Millburn, survive.

Mrs. Frank Beu.

Mrs. Margaret Beu, wife of Frank Beu, Chicago, passed away July 17, following an operation for cancer at the General American Hospital. No one—not even Mrs. Beu herself knew that their was anything serious ailing her and she was, as she has been for years, actively engaged in the florists' business till the last. Mrs. Beu was born in Germany, August 13, 1869, and came to Philadelphia with her parents when a young woman, when she afterwards married Frank Beu and moved to Chicago. For sixteen years they have been in business and have a residence and greenhouses at 4435 N. Crawford Ave., where a fine new store and flat are now under construction. One son,

Carl, associated with his father in business, survives. The funeral was held at Montrose chapel and interment took place in Montrose Cemetery, July 21.

LEAF SPOT ON NASTURTIUMS.

Dr. George E. Stone of Amherst, Mass., writes to a correspondent of HORTICULTURE, as follows—in reply to an inquiry about a new leaf blight which has occurred on nasturtium foliage:

"In regard to the nasturtium trouble, I would say that we find this to be a bacterial leaf spot caused by *Pseudomonas* sp. This is new to us, therefore we can recommend nothing in the way of remedial measures. It may prove serious, but more likely its occurrence in the future will be sporadic as was the case with the bacterial leaf spot of the geranium and also delphinium."

Dr. Stone would be pleased to hear from any others who have encountered similar trouble.

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"It's all in the wheel."

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Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our **CHALLENGE PANSY** seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance?"

½ trade pkt. 25 cts., trade pkt. 50 cts., ¼ oz. 75 cts.,
¼ oz. \$1.50, ½ oz., \$2.75, oz. \$5.00.

1914 NOVELTY PANSY

SIM'S GOLD MEDAL MIXTURE

Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim (renowned for Sweet Peas), Cliftondale, Mass., and we are offering seed from the originator for the first time. Trade pkt. 75 cts., 3 pkts. for \$2.00, ¼ oz. \$3.50.

Boddington's Quality "English" Pansy

A superb strain of highly-colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms, and strongly recommends this mixture to florists.

Trade pkt. (500 seeds), \$1.00; ½ trade pkt. (250 seeds), 50c.
¼ oz., \$2.25; ½ oz., \$4.25; oz., \$8.00.

Other Choice Varieties of Giant Pansies

	Tr. pkt.	¼ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist.....	.50	2.75	10.00
Giant Trimardeau. Mammoth flowering, and in a good range of color.....	.15	.50	1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved; exquisite colors.....	.25	1.25	4.00
Cassier's Giant. A fine strain of large, highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.15	.75	2.50
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamolais, etc.	.25	1.75	4.00

"THESE PRICES ARE FOR THE TRADE ONLY"



Challenge Pansies

	Tr. pkt.	¼ oz.	Oz.
Giant Emperor William. Ultramarine blue, purple eye.....	\$0.10	\$0.50	\$1.50
Giant Golden Queen. Bright yellow; no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow; brown eye.....	.15	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large, dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.15	.75	2.50
Giant Pretiosa. Crimson rose, white margin, violet blotch.....		1.25	4.00
Giant Rosy Lilac.....	.15	.60	2.00
Giant White. Violet spot.....	.10	.60	2.00

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	.25
BRIDESMAID. Giant flowers of rosy white.....	.25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	.25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine....	.25
PSYCHE. Violet, bordered white; beautifully waved petals.....	.25
PEACOCK. All the name implies; a most beautiful varicolored variety; peacock blue, edged white.....	.25
RUBY KING. Superb crimson and red shades.....	.25
SNOWFLAKE. Pure white; immense flower.....	.25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	.25
Collection of the above 10 varieties, one packet each, for \$2.00.	

Arthur T. Boddington, Seedsman,

342 West 14th St.
NEW YORK

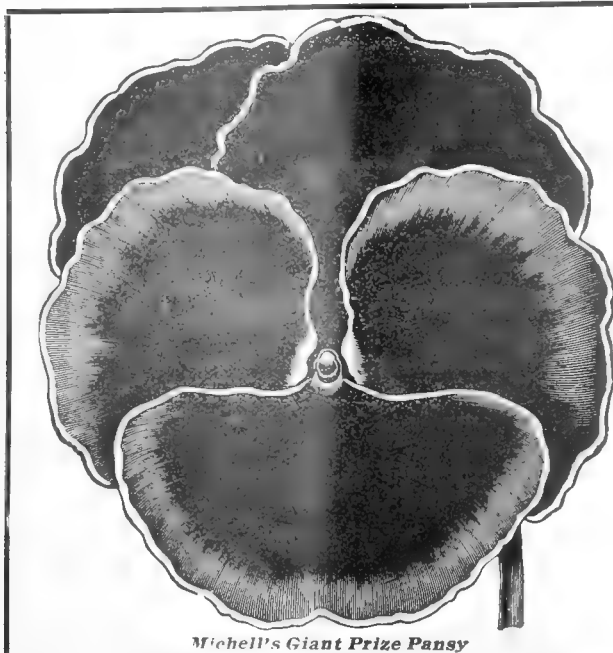
ROSES IN ROGER WILLIAMS PARK.

Roger Williams Park in Providence, R. I., has many attractions in natural beauty and historic associations, for which its repute has extended far and wide. Among its charms, perhaps not so well known, are the roses, and we

think our readers will agree that the picture which occupies our cover page this week fully justifies Providence in feeling that her rose garden is something to be proud of. We are indebted to the Providence Journal for their kind permission to use the photograph.

Fred C. Green is superintendent of the Providence parks.

Medina, N. Y.—White Bros. are building four new houses, 25x250, in which they will grow White and Pink Killarney, Richmond, Sunburst and Mock roses. The Gasport houses have been torn down and moved to Medina. White Bros. have been heavy shippers of carnations and the quality always best.



Mitchell's Giant Prize Pansy

New Crop MICHELL'S New Crop GIANT PANSY SEED

GIANT EXHIBITION MIXED. A Giant Strain which for size of bloom, heavy texture and varied colors and shades cannot be surpassed. Half trade packet, 30c.; trade packet, 50c.; 1/8 oz., 75c.; per oz., \$5.00.

GIANT PRIZE VARIETIES IN SEPARATE COLORS

Azure Blue	Snow Queen
Black Blue	Striped and Mottled
Emperor William	White With Eye
King of the Blacks	Pure Yellow
Lord Beaconsfield	Yellow With Eye

Any of the above separate colors, 40c. per trade pkt.; per oz., \$1.75.

Hortensia Red, Peacock. Trade pkt., 40c.; \$2.50 per oz.

MYOSOTIS SEED

	Tr. Pkt.	Oz.
Alpestris Victoria	\$0.25	\$0.75
Eliza Fanrobert	.15	.75
Palustris	.30	1.75
Palustris Sempiternus	.25	1.50

Also all other Seasonable Seeds and Supplies which are Described in our Wholesale Catalogue and Price List. Send for one if you haven't received it.

HENRY F. MICHELL CO.
518 Market St., PHILA., PA.

The Ginger Jar

Referring to the forty-four ton Kelway order for the Free Seed Department, the congressmen seem to have been as fiercely opposed to it as they were to the twenty-cents-a-mile transportation graft. They favored both.

The Senate was against free seed. About the twenty cents a mile, we can't say but for ages they have always declared against the free-seed graft,—and then agreed to allow it—in committee, all for political effect. Both houses in unison.

So between the two houses on these two measures—their battledore and shuttlecock—what can the plain folks think? It looks like a case of "heads I win, tails you lose."

So both grafts keep merrily on—the twenty-cents a mile and the free seed. If the Akoond of Swat can improve on that let us hear from him. America is a very highly civilized country—in spots.

Here is a rich one from the New York inspection literature: "If the seed appears to contain considerable of such rubbish the buyer should insist that it be cleaned before he takes it, secure a reduction in price proportionate to the amount of impurity, or look elsewhere for his supply." In other words, according to the authorities of the great State of New York, the cleaner the seed the smaller the price! The worst of it is, New York is eminently fair compared with some other states—and Washington.

The foregoing extract is from Bulletin 378 of the Geneva Station. The same Bulletin enlarges on the law not being drastic enough,—like the fertilizer and foodstuff laws. As if seeds could comply with such conditions! Seeds are not a manufactured product, and attempts to apply such laws to them are unjust and ridiculous; and do more harm than good to the farmer and all concerned. If the farmer wants

to buy cheap seeds, it's because he wants to save money—not that the seed seller is a villain. You can make seeds so clean that the price will be prohibitory. GEORGE C. WATSON.

NEW CORPORATIONS.

Waltham, Mass.—Mathison Greenhouses; capital \$1,000.

St. Louis, Mo.—A. Brix Floral Co., increasing stock from \$15,000 to \$20,000.

West Park, O.—West Park Greenhouse Company, increasing capital stock from \$15,000 to \$30,000.

Lexington, Ky.—John A. Keller Company, cut flowers and plants. Incorporators, John F., Mary, Josephine and Lena Keller.

Yankton, S. D.—Gurney Greenhouse Company, capital stock, \$2,500. Incorporators, E. R. and D. B. Gurney and A. C. Topp.

Milwaukee, Wis.—Milwaukee Seed Co., capital stock, \$1,000. Incorporators, E. L. and Edna Rosenberg and Della Delisle.

Cortland, N. Y.—The Hike-Allen Company, seeds, capital stock, \$20,000. Incorporators, C. V. and M. J. Hike and C. D. Allen.

West Islip, N. Y.—D. C. Arnold & Co., florists and nurserymen, capital stock, \$100,000. Incorporators, D. C. Arnold, H. W. Thomas and W. Wincott.

Columbus, O.—Columbus Hothouse Company, capital stock, \$10,000. Incorporators, J. F. and M. G. Sultzbaugh, R. J. and Jennie Dunkey and P. J. Eagleson.

West Hartford, Conn.—W. W. Thomson Co. incorporated July 2, 1914, to deal in flowers, plants, etc. Capital stock, \$50,000, divided into 500 shares, of \$100 each. Commence business with \$20,000. Incorporators: W. Wallace Thomson, R. Roy Thomson, Herman J. Miller, all of West Hartford.

New Crop Pansy Seed Now Ready

Vick's Superb Mixed, our own special strain. Cannot be surpassed. Convince yourself.

1-32 oz., 25c.; 1-16 oz., 40c.; 1-8 oz., 60c.; 1-4 oz., \$1.35; 1 oz., \$5.00.

MASTERPIECE MIXED, \$3.50 oz.

PEERLESS MIXED, \$3.00 oz.

GIANT FLOWERING MIXED, \$1.25 oz.

All the leading colors of both Standard and Giant varieties. Send for complete list.

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Has been mailed. If not in your hands now, send a postal for it.

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Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

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Per 1,000
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Dwarf Double Pearl
Extra large size
\$7.50 per 1000

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We are ready to ship right now pot-grown plants of "Americus" the famous fall-bearing Strawberry.

Special price of \$7.50 per hundred for quick orders.

Americus will bear this fall if pot-plants are set before the middle of August. Mention this adv. for the special price.

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Where state laws and municipal regulations do not enforce the demand for cleanliness and sanitation, public opinion ultimately will. The dirty store is just as surely doomed, whether it is put out of business by the authorities or the consumers.

Keep tab on the new developments identified with extending the parcels

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Pretorian, Boston-Glasgow...July 31
American.

St. Paul, N. Y.-Southampton...July 31
St. Louis, N. Y.-Southampton...Aug. 7
Atlantic Transport.

Minnewaska, N. Y.-London...Aug. 1
Minnehaha, N. Y.-London...Aug. 8
Cunard.

Carmania, N. Y.-Liverpool...July 29
Saxonia, N. Y.-Medit'anean...Aug. 1
Lusitania, N. Y.-Liverpool...Aug. 4
Franconia, Boston-Liverpool...Aug. 4
French.

La Savoie, N. Y.-Havre...July 29
La Lorraine, N. Y.-Havre...Aug. 5
Rochambeau, N. Y.-Havre...Aug. 8
Hamburg-American.

Pres. Grant, N. Y.-Hamburg...July 30
Amerika, Boston-Hamburg...Aug. 1
Vaterland, N. Y.-Hamburg...Aug. 1
Holland-America.

Ryndam, N. Y.-Rotterdam...July 28
Rotterdam, N. Y.-Rotterdam...Aug. 11
Leyland.

Devonian, Boston-Liverpool...Aug. 1
Canadian, Boston-Liverpool...Aug. 8
North German Lloyd.

Kr'pp'n'z'n Cecile, N. Y.-B'm'n...July 28
Grosser Kurf'st, N. Y.-B'm'n...July 30
Koenig Alb't, N. Y.-Medit'n'n...Aug. 1
Red Star.

Zeeland, N. Y.-Antwerp...Aug. 1
Vaderland, N. Y.-Antwerp...Aug. 8
White Star.

Cymric, Boston-Liverpool...July 28
Baltic, N. Y.-Liverpool...July 30
Oceanic, N. Y.-Southampton...Aug. 1
Cretic, Boston-Mediterranean...Aug. 1

post service. This is a present day factor in retail business of marked import. If you don't take advantage of the facilities which it creates, be certain that your competitor will—if not your next door neighbor, then the fellow in the distant field who is working up a mail order business.—*Southern Merchant.*

BUSINESS TROUBLES.

Boston—James L. Carney, a florist, has filed a voluntary petition in bankruptcy in the United States District Court disclosing liabilities amounting to \$11,406 and assets of \$1,072.

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field St.

Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
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Detroit, Mich.—J. Breitmeyer's Sons,
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Grand Ave.

Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W

Montreal, Can.—P. McKenna & Sons, 770
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New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
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New York—G. E. M. Stumpp, 761 Fifth
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New York—A. Warendorff, 1193 Broad-
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St.

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Main street.

Philadelphia, Pa.—E. R. Martin, 52d
street, Sept. 1st.

Baltimore, Md.—John Cook, 328
North Charles street.

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GLADIOLUS ROCHESTER WHITE.

We have received from Jacob Thomann & Sons of Rochester, N. Y., stalks of bloom of this fine white gladiolus novelty. The flower is the nearest to pure white that we have seen being absolutely without a mark and its qualities for shipping and keeping are unexcelled. It will be a splendid acquisition for the retail florist. The flowers now blooming are on bulbs that were started inside in pots in April and planted outside in May. The outdoor grown plants are nearly ready to bloom. James Vick's Sons have the exclusive agency for the sale of the bulbs.

Of Interest to Retail Florists

STORE LIGHTING.

The University of Iowa has just published a pamphlet by Arthur H. Ford, professor of electrical engineering, discussing some of the problems arising in the lighting of retail stores.

When considering the problem of store lighting, the average merchant will ask some or all of the following questions:

What are the characteristics of good lighting?

Will it pay me to improve the lighting of my store?

What kind of lamps shall I use?

How powerful shall they be?

What kind of lighting fixtures will harmonize with the furnishings of my store?

The purpose of this bulletin is to present information concerning these problems. This will enable him to pass intelligently upon plans for store lighting, or to suggest desirable changes in his present lighting system.

The show window, being a powerful magnet to draw trade, is given particular attention. A man will go toward a bright light just as surely as a moth will flutter around a candle flame. As a result, the show window should be especially well lighted. The mistake of using visible lamps in the show window to attract the attention of persons at a distance should be avoided, and dependence placed on a pleasing system of street lighting to accomplish this result.

The safest rule for the designer of a show window lighting system to follow is to arrange the lamps in such a manner that the light will shine on the goods and not into the eyes of the person looking into the window. This necessitates the locating of the lamps high up in the window and close to the glass as possible, in order to avoid objectionable shadows. The lamps should be provided with reflectors which are suited to the height and depth of the window trimming and the mounting height of the lamps. The use of reflectors which are especially designed for other purposes than the window in which they are used results in bad lighting. The only lamps that should be in view are well shaded lamps of low power which are used for purely decorative purposes.

Copies of this pamphlet may be obtained free of charge on application to the Acting Director of the University Extension Division, O. E. Klingaman, Iowa City, Ia.

WASHINGTON NOTES.

The army worm is devastating grain fields, lawns and parks in and about Washington.

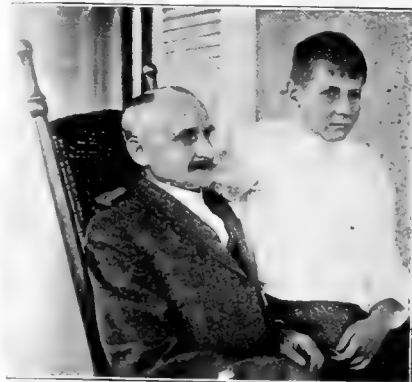
Mr. and Mrs. William Marche are spending a two weeks' vacation at Asbury Park, N. J.

George H. Cooke was a member of a party which last week spent several days on the lower Potomac river fishing grounds.

Carroll Carrick, with Gude Bros. Co., will spend the next few weeks on a farm in Prince Georges County, making short side trips to nearby resorts.

Mr. and Mrs. W. F. Gude and family spent the week end at Old Point Comfort, Va. A trip was also made to Virginia Beach and Norfolk. Hardy Pritchard also accompanied the party.

The Department of Agriculture is in a fair way to lose the services of another of its most efficient officials according to a report that William A.



WILLIAM A. TAYLOR

Taylor, now head of the bureau of plant industry, and slated for the position of assistant secretary of agriculture, is to be chosen as the next president of the Michigan Agricultural College. It is stated that Jonathan D. Snyder, the present head of the college, has resigned, after a service of twenty years. Mr. Taylor is an alumnus of the college, having graduated therefrom in 1888. Three years later he was appointed an assistant pomologist in the Department of Agriculture and from that time on his rise in the department has been quite rapid. He has since been following in the footsteps of Dr. B. T. Galloway for when that official was made chief of the bureau of plant industry, Mr. Taylor was made his assistant, and when Dr. Galloway was made assistant secretary of agriculture, he became the bureau chief. Dr. Galloway's resignation which takes effect on August 1, would make Mr. Taylor his probable successor.

VISITORS' REGISTER.

Cincinnati, O.—John A. Evans, Richmond, Ind.

St. Louis: Guy Reyburn, representing A. Henderson, Chicago, and Robt. Newcomb, Chicago.

New York: L. J. Reuter, Westerly, R. I.; E. Allen, Peirce, Waverly, Mass.; C. C. Gindra and Jas. Alexander, Jr., Poughkeepsie, N. Y.

Boston: Frank Purssell, Rochester, N. Y.; F. C. Thomann, Rochester, N. Y.; John Young, secretary S. A. F., New York; Dr. Geo. E. Stone, Amherst, Mass.

Philadelphia—R. T. Brown, Cottage Gardens Co., Queens, N. Y.; Wm. Mangen, So. Bethlehem, Pa.; Henry Fischer, Raspeburg, Md.; Wm. Plumb, superintendent of Floriculture, San Francisco; Edward McCullum and wife, Pittsburg, Pa.

Boston—Harry Quint, has moved from 164 to 199 Tremont street, opposite the Hotel Touraine.

HOTEL BRUNSWICK



**Boylston Street cor. Copley Square
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One of the most popular Hotels in Boston, ten minutes walk to Mechanics Building. Electric cars pass the door to all parts of the city and suburbs, twelve minutes ride to the Convention Gardens. A most desirable hotel for members of the National Society of American Florists.

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The Distinctive Boston House
A public house especially attractive to those who demand the best and prefer a homelike atmosphere.
Single rooms, from \$2. Combined parlor, bedroom and bathroom, from \$4. Self-contained suites. Special rates to permanent guests. In summer a dinner is served in the roof garden.
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An illustrated booklet of the hotel with guide to Boston and vicinity on the favor of your card.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI July 20		CHICAGO July 20		BUFFALO July 20		PITTSBURG July 20	
Roses	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
Am. Beauty, Special.....	12.00	to 15.00	10.00	to 20.00	10.00	to 15.00	12.00	to 18.00
" " Fancy and Extra.....	8.00	to 10.00	3.00	to 6.00	5.00	to 10.00	.. . .	to 6.00
" " No. 1.....	4.00	to 6.00	7.00	to 8.00	5.00	to 6.00	6.00	to 8.00
Killarney, Richmond, Extra.....	2.00	to 4.00	7.00	to 4.00	2.00	to 4.00	2.00	to 4.00
" " Ordinary.....	.. . .	to	6.00	to 10.00	5.00	to 6.00	6.00	to 8.00
Hillingdon, Ward, Sunburst, Extra.....	.. . .	to	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
" " Ordinary.....	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00
Maryland, Taft, Extra.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
" " Ordinary.....	.. . .	to	5.00	to 20.00	3.00	to 6.00	.. . .	to
Russell, Shawyer.....	.. . .	to	2.00	to 1.50	1.50	to 2.00	.. . .	to 2.00
Carnations, Fancy.....	.. . .	to	1.50	to 1.00	1.00	to 1.50	.. . .	to .50
" " Ordinary.....	.. . .	to	75.00	to 50.00	30.00	to 40.00	50.00	to 60.00
Cattleyas.....	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
Lilies, Longiflorum.....	.. . .	to	4.00	to 4.00	.. . .	to	3.00	to 4.00
Lily of the Valley.....	2.00	to 4.00	1.00	to 4.00	1.00	to 2.00	.50	to 2.00
Asters.....	2.00	to 6.00	2.00	to 6.00	2.50	to 5.00	2.00	to 6.00
Gladioli.....	.. . .	to .. . .	.25	to .40	.25	to .50	.. . .	to
Corn Flower.....	.. . .	to .. . .	.25	to 1.00	.50	to 1.00	.. . .	to
Daisies, white and yellow.....	.. . .	to .. . .	.50	to .75	.20	to .50	.. . .	to .50
Sweet Peas.....	.. . .	to .. . .	.. . .	to .. . .	.. . .	to .. . .	.. . .	to
Gardenias.....	.. . .	to	1.00	to 1.00	1.00	to 1.25	1.00	to 1.25
Adiantum.....	.. . .	to	12.50	to 15.00	.. . .	to 15.00	.. . .	to 15.00
Smilax.....	.. . .	to	50.00	to 50.00	40.00	to 60.00	.. . .	to 50.00
Asparagus Plumosus, Strings (100).....	to	25.00	to 50.00	25.00	to 35.00	30.00	to 40.00
" " & Spreu. (100 bchs.)..	to	to	to	to

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Hardy Fancy Fern Our Specialty

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Flower Market Reports

BOSTON The weather thus far has not been conducive to special activity at the sea and mountain resorts and the flower trade of this market feels it quite seriously. The shipping trade to Newport, Bar Harbor, Saratoga and similar places during July has not been one-half of what it amounted to in the same period last year. American Beauty roses bring good money, everything considered, but are not as good as they might be. Other roses are at the lowest figure, sales lagging badly. Carnations still hold out although the asters are crowding in on them, but they are slow to move. Lilies more plentiful, lily of the valley normal as to supply and demand. Gladioli increasing and doing as well as could be expected. Cattleyas have been selling at the lowest point ever recorded here, but have now taken an upward slant. Sweet peas from outdoors are being received in large quantities—quality poor, sales slow and prices very low.

BUFFALO Business conditions have improved slightly and there have been a few good days amongst the quiet ones. Saturday found the trade good and a fair cleaning up by the wholesalers, except on roses of which there is an over supply, especially on poor quality Killarney, Taft and Maryland. The supply of carnations is gradually going down, but as the asters have not come on as yet, the carnations are still in need even if in poor quality. Some choice America, Augusta and Pink Beauty gladioli are in and have taken well. These are not local grown but shipments have come in good, considering the very warm weather. A wedding now and then has helped lily of the valley, lilies and other stock.

CHICAGO Mid-summer conditions prevail. The market is experiencing a quiet that has seldom been equalled and the sales have reached the lowest ebb of the year. A few flowers are always needed and the little demand is strongest for roses, which are of very good quality and are to be had in considerable variety. American Beauties are said by some growers to have reached the height of the crop last week and the cut is now diminishing. Asters are steadily gaining and while the greater part are rather short, there are now some with fairly long stems. As usual, carnations have almost disappeared with the coming in of the asters. Sweet peas seem to be making a summer of it, for the counters still contain a fair supply, mostly with short stems, however. Lily of the valley finds slow sales. A quantity of double gypsophila was shipped in from Denver and took well with those florists who are keeping up their window displays. There are more gladioli than the market needs and only the very best sell. Ferns are now selling from \$1.00 to \$1.50 per 1,000.

CINCINNATI There is plenty of stock of all kinds in this market, but not enough business to begin to use it all. Only the best of the strictly seasonable flowers are enjoying any demand. During last week roses would hardly move at any price. American Beauties were very good for the time of the year, but shared the same fate as

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We are now booking orders for immediate and later delivery from stock grown and selected especially for us. Our plants are guaranteed to give satisfaction.



	100	1000
Matchless	\$15.00	\$110.00
Enchantress Supreme	10.00	90.00
Pink Delight	9.00	80.00
White Wonder	8.00	75.00
White Enchantress	8.00	75.00
Alma Ward	8.00	70.00
White Perfection	8.00	70.00
Mrs. C. W. Ward	7.50	65.00
Northport	7.00	60.00
Gloriosa	8.00	70.00
Enchantress	7.00	55.00
Rose Pink Enchantress	7.00	60.00
Dorothy Gordon	7.00	60.00
Pocahontas (Ltd. quantity)	8.00	75.00
St. Nicholas	8.00	70.00
Comfort	7.00	60.00
Beacon	8.00	70.00
Harlowarden	7.00	60.00
Benora	8.00	75.00
Winsor	7.00	60.00
Victory	7.00	60.00
Rosette	8.00	70.00

Write us for prices on larger quantities

LET US TELL YOU ALL ABOUT THE NEW INTRODUCTIONS IN CARNATIONS FOR 1915
SEND FOR CIRCULAR

Can also offer bargains in the following own root ROSE plants, 2 1/2 inch and 3 inch: MARYLAND, WHITE KILLARNEY, PINK KILLARNEY, SHAWYER, AMERICAN BEAUTY, MRS. AARON WARD, HILLINGDON, TAFT and J. L. MOCK. Let us know your wants.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON July 23		ST. LOUIS July 20		PHILA. July 20	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra	6.00	to 12.00	15.00	to 18.00	10.00	to 15.00
" " No. 1	2.00	to 4.00	5.00	to 10.00	5.00	to 8.00
Killarney, Richmond, Extra	3.00	to 4.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	.25	to 2.00	2.00	to 3.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 6.00	5.00	to 6.00	4.00	to 6.00
" " Ordinary	.50	to 2.00	3.00	to 4.00	1.00	to 3.00
Maryland, Taft, Extra	3.00	to 6.00	4.00	to 6.00	4.00	to 7.00
" " Ordinary	.50	to 2.00	2.00	to 3.00	1.00	to 8.00
Russell, Shawyer	3.00	to 12.00	6.00	to 15.00	3.00	to 1.00
Carnations, Fancy	1.00	to 1.50	2.00	to 3.00	1.50	to 2.00
" " Ordinary	.50	to .75	.75	to 1.00	1.00	to 1.00
Cattleyas	15.00	to 30.00	40.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum	7.00	to 8.00	8.00	to 10.00	6.00	to 10.00
Lily of the Valley	2.00	to 3.00	2.00	to 5.00	1.00	to 4.00
Asters	1.00	to 1.00	1.00	to 1.00	1.00	to 3.00
Gladioli	2.00	to 3.00	3.00	to 6.00	1.50	to 4.00
Corn Flower	.25	to .25	.25	to .40	.20	to .35
Daisies, white and yellow	.50	to .50	.75	to 2.00	1.00	to .50
Sweet Peas	.10	to .25	.20	to .40	.20	to .50
Gardenias	75	to 1.00	1.00	to 1.25	.50	to 1.00
Adiantum	12.00	to 15.00	10.00	to 12.50	15.00	to 20.00
Smilax	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00
Asparagus Plumosus, Strings (100)	10.00	to 35.00	15.00	to 25.00	35.00	to 35.00
" " & Spreng. (100 Bchs.)						

the other roses. The supplies of giganteum, auratum and rubrum lilies are easily sufficient for present needs. The average quality of gladioli is much higher than it was. The good ones sell well while the poorer ones have little or no market. The aster supply is increasing rapidly. Carnations continue to sell well.

NEW YORK Business is dragging along at summer gait and the majority of the stock coming in finds very indifferent sale. Prices are tending downward on most lines. There is, however, a narrow vein of good business running through it all and the very fancy grades of the good summer varieties of roses hold a steady value in the market. Of these we might particularly mention Francis Scott Key,

which like all Mr. Cook's roses is proving an ideal summer variety. Lilies, lily of the valley, gladioli, sweet peas, corn flowers, etc., are all over abundant. Cattleyas are scarce and have trebled in price. Carnations are few and the white ones are bringing good returns. Asters are short stemmed so far. Gladioli are of excellent quality.

PHILADELPHIA For mid-July business last week was fair, which is not saying a great deal. It was a steaming week. Humanity was steamed, and flowers about the same. Nobody seemed to think much of flowers, unless there was death in the family or some other extraordinary event, which made them imperative. Flowers of all kinds, both indoor and out-

Continued on Page 122

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Choice Cut Flowers,**
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 18 1914		First Half of Week beginning July 20 1914	
American Beauty, Special	15.00	to 20.00	12.00	to 15.00
" " Fancy and Extra	8.00	to 10.00	8.00	to 10.00
" " No. 1	1.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Maryland, Taft, Extra	2.00	to 6.00	2.00	to 6.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Russell, Sawyer	6.00	to 10.00	6.00	to 10.00
Carnations, Fancy Grade	1.00	to 1.50	1.00	to 2.00
" " Ordinary50	to 1.00	.50	to 1.00

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Flower Market Reports

(Continued on page 121)

door, were soft and had little keeping stamina. The best on the list were asters, gladioli and roses. These had more substance and keeping qualities than most items. Asters were on the short side. More good ones could have been used. All colors of these were in demand: pinks, blues, whites—especially whites. A grower should always have more white proportionately, but many of them seem to overlook this very obvious market condition when doing their planting. Gladioli are much more plentiful and very fine stock as a rule. Most of these are from local growers, although there are still a few arriving from southern points. Outside of American Beauty, the best roses at present are: White Killarney, Pink Killarney, Maryland, Radiance, Sunburst and Taft—the latter on the scarce side. It is a very good summer rose, and though small is very desirable. Carnations and sweet peas have taken a back seat.

There is not much change in market conditions, only that the quality of the stock is somewhat better, thanks to a few showers the last week. Business has been exceedingly dull. There are plenty of first and second-grade roses, fancies selling best, but only few of these come in. Carnations are somewhat scarce and demand is good on light colors. Asters, gladioli, Shasta daisies and lilies command fairly good prices. Lily of the valley also holds its own.

The demand of the past week or ten days has been of sufficient volume to use up considerable of the large stock of flowers that has been coming into the market, and particularly asters, carnations and lilies. Carnations have been holding up well, for the middle of June usually marks their demise. Both gladioli and asters are coming in more freely and are finding a fair market because of the fact that they can be easily kept during the extreme hot weather. The new crop of American Beauty roses are also in and are in fair demand. Lilies are in good supply and quality.

PERSONAL.

Mr. and Mrs. Edwin Lonsdale are enjoying a visit in Santa Barbara, Cal.

John Meekin, formerly employed by A. W. Vose, is now foreman at Chipman's Greenhouses, Woonsocket, R. I.

Alfred Rehder, of The Arnold Arboretum is in Santa Barbara, Cal., on some Arboretum research work.

David Welch of Welch Bros. Co., Boston, started from Liverpool on his homeward journey to Boston, on July 22.

John Miesem, Elmhurst, N. Y., has returned from his European trip, much to the delight of a bunch of lonesome friends.

Jackson Dawson of the Arnold Arboretum is proudly announcing to his friends the arrival of a grandson who is to bear his name. To him the White medal of honor is to be bequeathed and he is already slated for high achievements in the realm of advanced horticulture in the good time coming.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 18 1914		First Half of Week beginning July 20 1914	
Cattleyas.....	25.00	to 50.00	50.00	to 75.00
Lilies, Longiflorum.....	3.00	to 4.00	2.00	to 1.00
Rubrum.....	3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	2.00	to 3.00	1.00	to 3.00
Asters.....	1.00	to 1.00	1.00	to 1.00
Gladioli.....	2.00	to 3.00	2.00	to 3.00
Corn Flower.....	1.00	to .50	1.00	to .25
Daisies, white and yellow.....	1.00	to .50	1.00	to .50
Sweet Peas (per 100 bunches).....	1.00	to 5.00	1.00	to 5.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	25.00	to 35.00
& Spreng (100 bunches).....	15.00	to 20.00	15.00	to 20.00

Clubs and Societies

NASSAU COUNTY (N. Y.) HORTICULTURAL SOCIETY.

The monthly meeting of this society was held Wednesday, July 8, at Pembroke Hall, Glen Cove. Special prizes for the fall shows were received from C. F. Cartledge, R. Meserole, W. R. Kinnear, E. M. Underhill and the Glen Cove Echo.

The exhibits at this meeting were more in number and better in quality than on any similar occasion for the last two or three years and gave the judges some work. Henry Gaut cleared the board in the three sweet pea classes, as well as receiving a cultural certificate for a vase of Isabelle Malcolm. Herman Boettcher was awarded a cultural certificate for fourteen vases of sweet peas in fourteen vases, and Geo. Ashworth honorable mention for a vase of Flora Norton Spencer.

A schedule was received from the secretary of New York State Fair to be held at Syracuse on Aug. 31, and it was resolved to make a collective exhibit there of vegetables representative of the society. It was also resolved to use the official judging scales of the national societies for carnations, roses and chrysanthemums at all future shows. A committee was formed to draw up a scale of points for judging vegetables.

Prizes for next meeting, Aug. 12, will be for six kinds of vegetables.

HARRY JONES, Corr. Sec'y.

The schedule of prizes for the fifth exhibition of Gladiolus Blooms, to be held in connection with the S. A. F. Convention at Boston, August 18-20, has been issued and those who are interested may obtain copies by applying to the secretary, L. Merton Gage, Wellesley, Mass. Upwards of \$200 is offered in cash prizes besides a number of cups and medals.

The Andover (Mass.) Florists' & Gardeners' Club will hold a flower show in the town hall, September 1-3. There is a fine list of special premiums, J. H. Playdon is chairman of the committee in charge.

The annual exhibition of the North Shore Horticultural Society, at Lake Forest, Ill., takes place as we go to press, and a report will be given next week. These events are always of a high order and the work mainly of the private gardeners of the large summer homes along the shore of Lake Michigan.

During Recess

Lancaster County Florists' Club.

On Thursday, July 16, about two hundred of us left Lancaster for Mt. Gretna, a noted summer resort adjacent to Lancaster, Harrisburg and Lebanon, the attractions of which are The Parade Grounds where the National Guards encamp each year, the Camp Meeting grounds with their numerous array of cottages and the Chataqua with its particular settlement, the noted Conawago Inn and the lake with its boating and bathing resorts. The committee, consisting of Elmer Weaver, Frank Kohr and J. Moore, managed the details of the affair and managed them so well that it was impossible to find one disgruntled mortal on the return trip home. Philadelphia was represented by Messrs. Pennock, Meehan, Fancourt, Liggett, Leo Niessen, Mosgrove, Fierstein, Connor and botanist George C. Watson, to whom the immense flora of the mountain was an open book. Other visitors were Mr. Nolan, of The King Construction Co., A. B. Carter, A. C. Marshall, Wm. Swayne, Mr. Bree-man from Harrisburg and Mr. Brown from Coatsville.

There was so much to see that a regular program was dispensed with, but a rain storm just before supper sent us back to the hotel and card games and children's sports were in order for an hour or more, and there was more human enjoyment piled into each minute than Mt. Gretna ever saw before from the time it was created up to July 16th, 1914, 6 P. M.

There was such a strong co-operation toward all having a good time that little of individual effort is to be noted, the most noted event being the winning of a hotly contested game of quoits by Mrs. A. M. Herr and Mr. S. S. Pennock with Mr. Brown of Coatsville as referee. Chas. Edgar of the B. F. Barr Co. kindly took charge of the visitors when they came back to Lancaster and saw them off on their various trains during the night.

The regular meeting of the club was called off for July and the next event is likely to be a visiting trip to see the Weaver asters and the Landis gladioli.

We all missed our Mr. Nagle and his quaint humor and were more than sorry to learn that he has taken up his abode in a hospital for an indefinite time with a very annoying strain of his back.

ALBERT M. HERR.

The Florists' and Gardeners' Club of Baltimore will have their annual picnic at Reul's Park, Middle River, Md., on Monday, July 20.

Buyer's Directory and Ready Reference Guide

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For page see List of Advertisers.

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Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and Florence Davenport, 2 1/4 in. pots. Delivery from May 15th. JULIUS ROEHR'S CO., Rutherford, N. J.

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For page see List of Advertisers.

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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

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For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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For page see List of Advertisers.

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J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
German Iris and Liliums Henryl and Tenuifolium.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Calla Blubs.
For page see List of Advertisers.

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For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

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For page see List of Advertisers.

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Field Grown Carnation Plants.
For page see List of Advertisers.

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Ready Now.
Best stock we have ever had of the
Novelties and Standards.
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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

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For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemum Novelties for 1914.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

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Hotel Nottingham, Boston, Mass.

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For page see List of Advertisers.

CYCLAMENS—Continued

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Cyclamen, best German strain, in fine assorted colors; good stock out of 2 1/4 in. pots at \$5.00 per 100. J. H. FIESSER, North Bergen, N. J.

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Dahlias at greatly reduced prices for 1914. Send for wholesale list. Order early. J. L. MOORE, Northboro, Mass.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

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John Wanamaker, Newest Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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For page see List of Advertisers.

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For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

FERNS

McHutchison & Co., New York City.
Ferns in Flats.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Ernest Oechsli, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co., Chicago, Ill.

Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

For List of Advertisers See Page 99

FERTILIZERS—Continued

Sanderson Fertilizer and Chemical Co.,
New Haven, Conn.
South American Sheep and Go. Manure.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Geraniums, La Favorite, Perkins, Jean Oberle, Ricard, Landry, Col. Thomas, Dagata, Viand, \$2.00 per 100, \$18.50 per 1000. Clair Frenot, Luigi Grandi, Mrs. E. G. Hill, Poitevine, Mrs. Annie Vincent, \$2.50 per 100, \$20.00 per 1000. Ruby \$4.00 per 100. S. A. Nutt at the special price of \$1.75 per 100, \$16.00 per 1000. The above is all fine stock in two inch pots. Write for Catalogue, F. H. DEWITT & COMPANY, Wooster, Ohio.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.

Hitchings & Co., New York City.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

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Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.

For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.

For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.

For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.

For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."

For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.

For page see List of Advertisers.

Hammond Slug Shot Works, Beacon, N. Y.
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For page see List of Advertisers.

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For page see List of Advertisers.

THE IRIS! THE IRIS!

200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per 20. Some of the finest on earth. Send 10 cents for Iris manual. C. S. HARRISON SELECT NURSERY, York, Nebr.

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Jerusalem Cherry, out of 2 1/4 in. pots at \$3.00 per 100. J. H. FIESSER, North Bergen, N. J.

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Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

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Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

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Laurus Cerasus: Bush, 35c.-\$1.00 each; Standards, \$7.50-\$10.00 each; Pyramids, \$5.00-\$7.50 each. JULIUS ROEHRS CO., Rutherford, N. J.

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Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteuma.
For page see List of Advertisers.

LILY OF THE VALLEY

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

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The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

PALMS, ETC.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PANSY SEED

Henry F. Mitchell Co., Philadelphia, Pa.
Giant Prize Pansy Seed.
For page see List of Advertisers.

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

A. T. Boddington, New York City
Gigantic Pansy Seed.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
New Crop Pansy Seed.
For page see List of Advertisers.

PEONIES.

S. G. Harris, Tarrytown, N. Y.
For page see List of Advertisers.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Specialist,
Chenonceaux, France.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

POINSETTIAS

A Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Poinsettias. These plants have been propagated from stock that produced bracts from 16 to 22 inches, they are the true vermilion red, extra strong and thoroughly rooted so as to carry anywhere. 2½ inch standard pots, \$5.00 per 100, \$45.00 per 1000. CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.

REFRIGERATORS FOR FLORISTS

United Refrigerator & Ice Machine Co.,
Kenosha, Wis.
United Ice Machines.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Palmsville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Gude Bros. Co., Washington, D. C.
Pink and White Killarney Rose Plants.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Boigiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Mitchell's Seed House, Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Mignonette Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Mignonette and Pansy Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. LAGER & HURRELL, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

Weeber & Don, New York City.
Pot-Grown.
For page see List of Advertisers.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

For List of Advertisers See Page 99

VEGETABLE PLANTS

Celery Plants, Golden Self Blanching (French Strain), fine plants, ready now, \$2.00 per 1000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

Celery Plants Re-rooted Celery plants (mass of fine new roots grown on the plants), Golden Self Blanching, White Plume, Winter Queen, Golden Heart and Giant Pascal, \$2.50 per 1000, or \$1.50. Re-rooted plants may be set two weeks later and will grow a full crop. We have especially prepared a large number of re-rooted Celery Plants for our New England Customers where we have a large trade. Potted Golden Self Blanching (shipped in paper pots), \$1.50 per 100. We have had irrigation for 16 years and 16 years experience in developing the best root systems that can be developed on plants of every kind. F. W. ROCHELLE & SONS, 106 Main St., Chester, New Jersey.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

VINCAS

William Capstick, Auburndale, Mass.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued

New York—Continued

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue

CONVENTION HOTEL ACCOMMODATIONS.

Hotel Victoria, Boston, Mass.
For page see List of Advertisers.

CONVENTION HOTEL ACCOMMODATIONS.

Hotel Puritan, Boston, Mass.
For page see List of Advertisers.

CONVENTION HOTEL ACCOMMODATIONS.

Hotel Brunswick, Boston, Mass.
For page see List of Advertisers.

FIELD GROWN CARNATION PLANTS.

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

FIELD GROWN CARNATION PLANTS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

GREENHOUSE PAINTING, GLAZING AND BUILDING.

Gillen & Baumgartel, Chicago, Ill.
For page see List of Advertisers.

MID-SUMMER EXHIBITION.

Newport Garden Club and Newport Horticultural Society, Newport, R. I.
For page see List of Advertisers.

"MILE HIGH QUALITY" CYCLAMEN, LORRAINE BEGONIAS AND PRIMULA OBCONICAS.

Park Floral Co., Denver, Colo.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE

Three good tubular boilers, in use at the present time—two 1½ ft. and one 1 ft. in diameter. Can be bought with all appurtenances very cheap. Parties putting in larger boilers. Apply

N. F. MCCARTHY & CO., 112 Arch Street BOSTON

RETIRING FROM BUSINESS

AUGUST MILLANG wishes to sell his Old Established business, 57 Stuyvesant Ave., cor. Pulach St., Brooklyn, N. Y. Store, two greenhouses and garage. Will sell cheap. Rent reasonable.

FLORIST ESTABLISHMENT FOR SALE

In town thirty miles from Philadelphia, seven thousand inhabitants, no competition. First class dwelling house with all modern improvements, three greenhouses, 30x150. An excellent opportunity for the right party. Will sell at a sacrifice. For further particulars apply "C. S. G." care GEO. C. WATSON, 839 Market St., Philadelphia.

FOR SALE—Large place in New Jersey, near New York City; 30,000 feet of glass, large dwelling and furniture, barn, horses, and automobile; well established business, local and wholesale; also large landscape business. Place is near trolley and railroad, and is in first class condition, all up-to-date improvements. Price very reasonable; owner must sell at once, going west. Particulars CHAS. MILLANG, 55 W. 26 St., New York City.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. FAR-SHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Lord & Burnham Ventilating machines for 250 foot house. In good shape and will sell cheap. VENTILATOR care HORTICULTURE.

FOR SALE—Greenhouse, 250 feet long, two years old, with dwelling house, five rooms, six acres land, 19 miles from Boston. \$2,500, on very easy terms. Address, J. B. L. BARTLETT, 294 Washington St., Room 605, Boston.

FOR SALE—Florist refrigerator and also cash register made especially for the florist business. For sale cheap. OSGOOD BROS., 287 Elm St., Everett, Mass.

HELP WANTED

WANTED A single, all around greenhouse man, inside and outside, one used to violets. E. BINGHAM, Pine St., Dedham, Mass.

SITUATIONS WANTED

SITUATION WANTED by Englishman as superintendent on private estate, manager in good Commercial place, or head in Botanical establishment. First-class certificate in botany and horticulture. Excellent references as to ability and character. Married, Age 37. Apply HORTUS, care HORTICULTURE, 11 Hamilton Pl., Boston, Mass.

SITUATION WANTED—By young Englishman (age 26) on private estate as assistant gardener, 12 years practical experience under glass. Fruit, orchids, carnations, 'mums, stove and greenhouse plants. Excellent references. Apply by letter to Box 605, Moosic, Pa.

In writing to Advertisers kindly mention Horticulture



HAMMOND'S GRAPE DUST

**For Use Against
Mildew and Blights**

GRAPE DUST is a readily diffusible, light-weight powder, Fungicide, for destroying Mildew and preventing Blights; also for destroying the Aphid and Black Fly. It is packed in 5 and 10 pound packages; also in 25 pound bags, 100 pound kegs, and barrels of 225 pounds, net. Kept in stock and sold by the leading Seedsmen in America. Dust by use of bellows.



EXPERIENCE OF FLORISTS AND GARDENERS MILDEW ON ROSES, CARNATIONS, ETC. IT IS SIMPLE AND EASILY APPLIED

Staatsburg, N. Y., May 25, 1908.

Mr. B. Hammond.
Dear Sir: Replying to your inquiries regarding "Grape Dust," would say that we use it solely on Roses, Carnations and Chrysanthemums. As a fungicide we have not found anything to equal it; it is simple and easily applied. We close down the ventilators and fill the house with dust blown through the bellows; when the dust has settled down we ventilate again, putting on a little air as required. We have been using your "Grape Dust" with good results for the last four-ten years.
Yours truly,
JAMES BLAIR.

Flushing, N. Y., Aug. 1889.
I find your "Grape Dust" the most efficacious remedy for "Mildew" on roses that I have tried, and cheerfully recommend it to the trade.
Yours truly,
CHAS. P. ANDERSON.
The John Henderson Co., Rose Growers.

Easthampton, Mass., April 4, 1889.
The "Grape Dust" is sudden death to Mildew in greenhouses.
E. A. BRAINERD, Florist, 7 Main Street.

ROBERT SIMPSON, Rose Grower.

Clifton, N. J., Oct. 11th, 1907.
Dear Mr. Hammond: In reply to your inquiry regarding my experience with "Grape Dust," would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for Mildew on roses. I do not know anything about its constituents, nor do I care so long as it does the work and is as economical as anything else on the market. During the summer when the steam pipes cannot be brought into use to check Mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than Sulphur, because it is much lighter and finer in texture; a given number of pounds will cover more than twice the number of plants; will cover them more thoroughly, and can be put on with a bellows in about one-fourth the time that would be required for Sulphur. The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.
With best wishes, I am yours very truly,
ROBERT SIMPSON.

Poughkeepsie, N. Y., Jan. 25th, 1912.
Benjamin Hammond, Esq.
Dear Sir: Please send me 25 lbs. "Grape Dust" as soon as possible. I find it is the only thing for Mildew on Roses. We have used it successfully for many years past.
Very truly,
CONRAD C. GINDRA.

First used in California in 1890 at Menlo Park, San Mateo County.

HAMMOND'S SLUG SHOT WORKS, BEACON, (Fishkill on Hudson) N. Y.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$2.75 per 112 lbs.; \$12.50 per 560 lbs.

Stumpp & Walter Co.
30-32 Barclay Street, NEW YORK



IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write
EASTERN CHEMICAL CO., BOSTON

PLANTLIFE

PLANTLIFE has several advantages over liquid insecticides on the market. Containing refined tobacco dust it can be used to mix with the soil, acting as an excellent fertilizer, at the same time destroying worms and insects in the ground before they have a chance to reach the plant.

PLANTLIFE has been found very effective in ridding greenhouses of insects by dusting on plants. When dry, use for dusting about once a week.

Put up in bulk for greenhouse men; in packages for retail trade.
Bag of 100 lbs. \$3.50.

Let us quote you prices in quantity.

The Plantlife Company, 251 East 66th Street, NEW YORK, N.Y.

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS
SPRAYING—VAPORIZING—FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

PULVERIZED OR SHREDDED

CATTLE MANURE

Rose and Plant Growers

Now is the time to get Cattle Manure into your bench and potting soil. Its peculiar action and effect cannot be had with anything else. Splendid quality being packed right now. Order today.

The Pulverized Manure Co.,



PULVERIZED

SHEEP MANURE

Carnation Growers

Can't afford to make beds or set plants without it. Wizard Brand is pure, full strength, weed seeds killed, uniform and reliable. Ask your Supply House for Wizard Brand or write us direct.

31 Union Stock Yards, Chicago

1000 TONS OF OUR SOUTH AMERICAN SHEEP AND GOAT MANURE

now in our warehouses, together with 1000 tons more now ordered from South America, will not begin to fill the demand for it once the Florists get to know this stuff.

**ONE LOOK
TOUCH
SMELL**

of this article tells a Florist instantly that this is

Pure Sheep and Goat Manure

better than any he has ever run across before. There is absolutely no straw, dirt, sand or foreign substance of any kind in it.

Wherever we have filled an order so far we have always received several more from the same neighborhood.

For top dressing any crop, for mixing with the soil or for making an ideal manure water, there is no purer, safer or more economical article to be had.

SANDERSON FERTILIZER & CHEMICAL COMPANY

Sole Importers and Distributors for New England

NEW HAVEN, CONNECTICUT

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

FARMERS AND FLORISTS FERTILIZER CO.

309 Exchange Ave., Rm. 15. Tel. Yards 842.
U. S. YARDS, CHICAGO, ILL.

When writing to advertisers kindly mention **HORTICULTURE**.

Cocoanut Fibre Soil

This is the Real Nature's Humus. Put it on your lawn this spring. Don't let it burn up, or stand all summer hose in hand.

Order now in 100 lb. bags.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

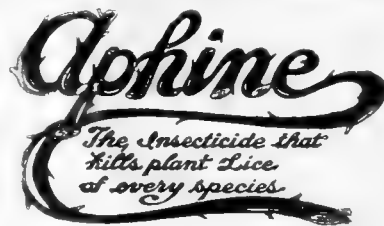
BEVERLY, MASS.



NIKOTEEN 30 Per Cent Strength For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



The Recognized Standard Insecticide
 For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$1.00 per quart—\$2.50 per gallon.

FUNGINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

75c. per quart—\$2.00 per gallon.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$1.00 per quart—\$3.00 per gallon.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

75c. per quart—\$1.50 per gallon.

All the above products are readily soluble in water at proportions directed on cans and are used as spraying materials.

NIKOTIANA

A 12% nicotine solution for fumigating and vaporizing.

\$1.50 per quart—\$4.50 per gallon.

Manufactured by

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals
 MADISON, N. J.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.**GREENHOUSES BUILDING OR CON-
TEMPLATED.**Govans, Md. F. C. Bauer, house 20x
75.Pottstown, Pa.—D. W. Heinly, house
28x120.Bluffton, O.—T. H. Mohler, range of
houses.Baltimore, Md.—Erdman & Ulrich,
ten houses.Garrettsford, Pa.—David Anderson,
house 45x250.Monkton, Md.—Robert Halliday,
house 35x150.Newburgh, N. Y.—Mark Crawshaw,
house 28x150.Pittsburgh, Pa.—John Bader Co., one
Moninger house.Bristol, R. I.—Kinder Bros., Hope
street, additions.Oakland, Cal.—Domoto Bros., 80th
avenue, one house.Medina, N. Y.—White Bros., four
rose houses, 25x50.Spokane, Wash.—Peters Bros., two
houses each 32x100.Blue Island, Ill.—Heim Bros., addi-
tions and alterations.Norwalk, Ct.—M. F. Byxbee, 12 Har-
riet street, one house.Bridgeport, Conn.—Frances B. Leigh,
conservatory, 16 by 25.Wyoming, Ill.—C. M. Ellis & Co., ad-
ditions and alterations.Bridgeport, Ct.—Frances Leigh, Ira-
nistan avenue, one house.

Plainfield, N. J.—Charles L. Stanley,

POISON KIL - WORM POISONDestroys Worms, Ants, etc., infesting
Golf, Cricket Grounds, Parks and Lawns.
Sure death to Snails. Does not injure
Grass; causes the insects to come to the
surface to die. (Must not come in contact
with fine plants.)One gallon Kil-Worm makes 50 gallons
liquid when mixed with water.
1 qt., \$1.00; ½ gal., \$1.75; 1 gal., \$3.00; 5
gals., \$13.50.**POISON KIL - WEED POISON**A scientific Weed Destroyer—free from
odor. An unsurpassed preparation for the
removal of Grass, Weeds, Vines and Bushes
from paths, etc. Saves expense of several
men; can be applied with an ordinary
sprinkling can.One gallon Kil-Weed makes 30 to 35 gal-
lons liquid when mixed with water.
1 qt., 35c.; ½ gal., 60c.; 1 gal., \$1.00; 5 gals.,
\$4.00; 10 gals., \$7.50; 1 barrel, per gal., 65c.**LEMON OIL COMPANY, Dept. K**420 W. Lexington St., Baltimore, Md.
Directions on every pkg.; write for circular.**DREER'S "Riverton Special" Plant Tub**

No. Diam.	Ea.	Doz.	100
10 20 in.	\$1.45	\$14.00	\$130.00
20 18 in.	1.30	14.00	115.00
30 16 in.	1.00	11.25	92.00
40 14 in.	.65	7.00	58.00
50 12 in.	.45	5.00	40.00
60 10 in.	.38	4.00	32.00
70 8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest
and cheapest. Painted green, with electric welded hoops. The four largest sizes have
drop handles.**HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.**E. Front street, additions and altera-
tions.Mantua, N. J.—Chas. Leisey, two
Lord & Burnham houses.Detroit, Mich.—Yates & Davis, 175
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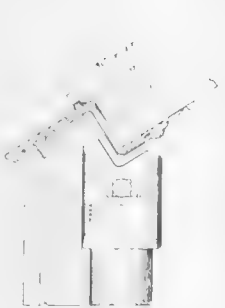
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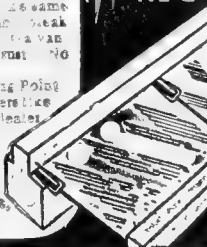
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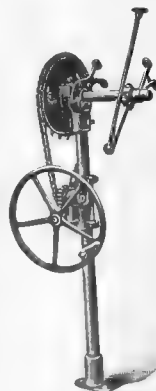
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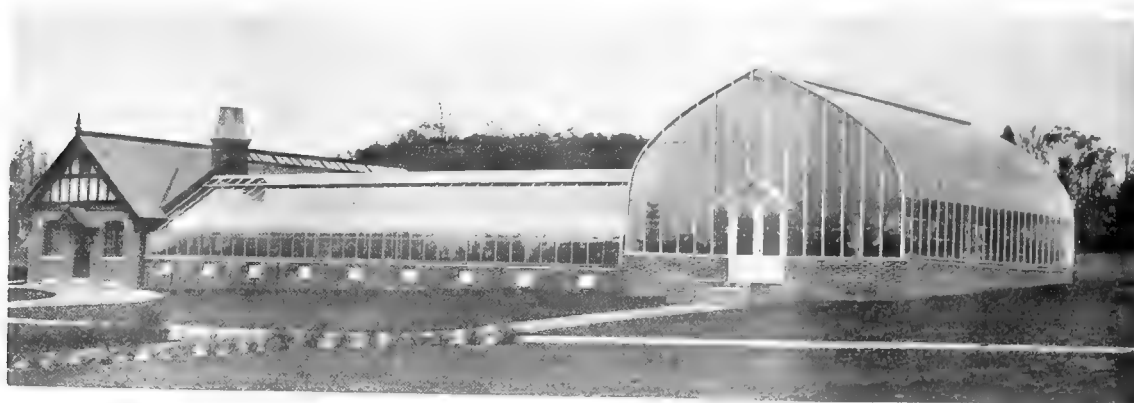
So anxious are the building concerns to be considered leaders in things new—that they are often lead to take some little unimportant improvement to their construction and exploit it as if it were going to revolutionize the entire greenhouse building code.

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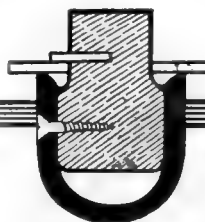
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Vol. XX
No. 5
AUGUST 1,
1914

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LIST OF ADVERTISERS

	Page		Page		Page		Page		Page
Advance Co.	133	Childs, John	143	Hall Association	163	May & Co., L. L.	149	Pierson, F. R. Co.	150
Albany Cut		Lewis	143	Hall & Robin-		McCarthy, N. F.		Smith & Co., E.	
Flower Ex.	154	Clarke's D. Sons	148	son	149	& Co.	152	D.	136
Allen, J. K.	154	Cowee, W. J.	152	Harris, S. G.	134	McConnell, Alex.	148	Smith & Hemen-	
Anderson, S. A.	149	Craig, Robt. Co.	136	Hart, Geo. B.	154	McHutchison &		way Co.	144
Aphine Mfg. Co.	161			Heacock, Jos.	143	Co.	136	Smith, W. & T.	
Aschmann, G.	136	Dards	148	Henderson, A. &		McKenna & Son,		Co.	134
Asmus, Geo.	150	Davenport, A. M.	136	Co.	136	P.	149	Smyth, Wm. J.	148
Ayres Co., S.		Dorner, F. &		Hess & Swoboda	148	McKenzie, John	136	Stamford Seed &	
Bryson	146	Sons Co.	136	Hews, A. H. &		McMannus, Jas.	154	Nursery Co.	146-150
		Dreer, H. A.	163	Co.	162	Meyer, Chas. F.	146	Stearns, A. T.	
Badgley, Riedel		Dunlop, John H.	149	Hilfinger Bros.	162	Michell's Seed		Lumber Co.	163
& Meyer	154	Dysart, R. J.	152	Hill, E. G. Co.	152	House	146	Storrs & Harri-	
Barrows & Son	136			Hillings & Co.	163	Michigan Cut		son	136
Bayersdorfer, H.		Eastern Chem-		Holland Nurser-		Flower Ex.	152	Stumpp, G. E. M.	148
& Co.	150	ical Co.	161	ies	134	Reed & Keller	154	Stumpp & Wal-	
Bay State Nur-		Edwards Folding		Holm & Olson	148	Reld, Edw.	152	ter Co.	161
series	134	Box Co.	152	Hotel Brunswick	151	Reuter's	150		
Bobbink & At-		Elliot's, W.		Hotel Notting-		Rice, M. Co.	149	Thorburn, J. M.	
kins	134	Sons	134	ham	150	Roehrs, J. Co.	143	& Co.	147
Boddington, A. T.		Ernest, W. H.	162	Hotel Victoria	151	Roland, Thomas	136	Traendly &	
142-145		Esler, J. G.	163			Schwake, Chas.		Schenck	154
Bolgiano & Son,		Eyres	149	Jacobs, S. &		Sons	135-162	Valentine, J. A.	148
J.	146	Farmers and		Sons	163	Rosery, The	148	Vick's James	
Boston Florist		Florists Fertil-		Kasting, W. F.		Sander & Son	143	Sons	147
Letter Co.	152	izer Co.	160	Co.	152	Sanderson Ferti-		Vincent, R., Jr.,	
Braslan Seed		Farguhar, R. &		Keller, J. B.		lizer & Chemi-		& Sons Co.	135
Growers Co.	147	J. & Co.	147	Sons	148	cal Co.	161	Wants, For Sale	159
Breck, J. &		Foley Mfg. Co.	163	Keller, J. M. Co.	136	Schiller	150	Ward, R. M. &	
Sons	147	Ford, M. C.	154	Kentucky Tobac-		Schling, Max	149	Co.	136
Brietmeyer's, J.		Ford, W. P.	154	co Product Co.	161	Schultheis, A.	136	Warendorff, A.	148
Sons	148	Fottler, Fiske		Kervan Co.	154	Schwake, Chas.		Weber, F. C.	149
Bryan, Alonzo J.	136	Rawson Co.	146	King Construc-		& Co.	135	Welch Bros.	152
Burnett Bros. N.	147	Framingham		tion Co.	163	Sheridan, W. F.	154	Whittier & Co.,	
Burpee, W. A. &		Nurseries	134	Komada Bros.	150	Sharp, Partridge		W. B.	134
Co.	147	Froment, H. E.	154	Kramer, F. H.	149	A Co.	163	Wood Bros.	136
		Frost, Chas.	144	Kroeschell Bros.	163	Siebrecht, Geo.		Woodruff, S. D.	
California Seed		Galvin, Thos. F.	149	Kuebler, W. H.	154	C.	154	& Sons	147
Growers' Asso.	147	Gasser Co., J. M.	149	Lager & Hurrell	143	Siggers & Sig-		Woodward & Mar-	
Carter's Tested		Graham Adam		Lemon Oil Co.	160	gers	163	ketos	152
Seeds, Inc.	146	& Son	148	Leonard Seed Co.	147	Skidelsky, S. S.		Young, A. L.	154
Champion, J. N.		Gude Bros. Co.		Loechner & Co.	135	& Co.	147	Young, John	154
& Co.	149	134-149		Martin & Gillies	151	Small, J. H. &		Young & Nugent	148
						Sons	149	Zinn, J. A.	149
						Smith, P. J.	154	Zvolanek, Ant.	146

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LILY OF THE VALLEY, cut, I can furnish you all year around. First-class, extra selected valley, \$4.00 and \$3.00 per 100. Cash or satisfactory reference.

ANTON SCHULTHEIS, College Point, L. I., N. Y.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Camellias

Camellias should be kept as cool as possible. A thin shade should be given to protect them from the sun. Keep the air moist by several dampings down. See that they have plenty of ventilation at all times and are given enough of room so they will not be crowded. They must not be allowed to stand dry for any length of time; this is a very important point. These plants suffer from insects such as mealy bug, red spider and white scale. Where scale shows itself, sponge with some good insecticide such as Aphine, Nicotinic acid or many others.

Care of Asters

When the summer is hot and deficient in moisture it is very hard to have good crops of asters. In some cases artificial watering in some form can be applied. But do not water unless you can do it thoroughly; it is far better to keep the surface tickled. It is really surprising how much drought the plants will stand if the surface soil is kept constantly stirred with the cultivator. But where water is near at hand it pays to have them watered copiously at least once a week and as late as you can get between them. When so large and branched that the ground is covered, a good soaking without the hoeing will not hurt, but their success is assured by that time. Look out for black aster beetle. Paris green, used at the rate of one pound to 200 gallons of water and applied through the fine misty sprayer will soon make them disappear.

Amaryllis

Some keep amaryllis in the greenhouse, but I prefer to have them in frames, as I think you can make conditions more to their liking when grown here. The pots should be plunged which will make less work in watering. The sashes should be raised both top and bottom a few inches and left this way all the time giving just enough shade to keep the foliage from burning. Amaryllises should be freely syringed, which also helps to keep down mealy bug and red spider. Give them liquid manure at least once a week. Care and attention that you give them now will not be lost, but will result in good strong bulbs by fall.

Mr. Farrell's next notes will be on the following: Aspidistra; Care of Chrysanthemums; Dahlias; Hollyhocks; Orchids; Sowing Myosotis and Daisies.

Mulching Compost

All bench crops intended for fall and winter cuttings will soon need some feeding in the way of mulches. By preparing a mulch mixture now it will have a little time to stand before being applied. It should be made rich, say half and half of new loam and well decayed cow manure. This compost should be worked over and over to make it fine and mixed well together. Where you do not get it fine enough use a $\frac{3}{4}$ inch screen. Place under cover or the heavy rains will leach out the plant food. There is no need of mixing bone meal or other fertilizing material as all these can be applied to the bed before the mulch is placed on.

Primulas for Spring Flowering

Primulas sown now will grow into fine stock for spring flowering. Where primulas are grown on without a check they will come into flower from six to seven months after sowing the seed. Use pans or shallow boxes and a compost of equal parts of loam, leaf mold and sand. Give the flats a good soaking of water before sowing the seed and let it have time to soak in. Do not sow too thickly. Just press the seed in and keep shaded and moist until they begin to germinate when they should be given a little more light, but not full sun. The young seedlings will have made enough of headway in six or seven weeks to be pricked out into other pans or flats. During this period a frame is the best place for them. Raise the sashes both top and bottom about 6 or 8 inches and shade them. Give a light spraying every good day and when they show three or four good leaves they can be potted into small pots and still kept in frames until the fall.

Labeling Plants

When we planted out our stock we were probably in a great hurry and overlooked placing good stout labels to each kind. Where this was neglected now is a good time to look them over and see that a good durable label is given to each variety.

The Special Convention Number of Horticulture

WILL BE ISSUED ON AUGUST 15

This will be an issue of exceptional interest and will be widely circulated and widely read. Its value as an advertising medium for all floral and horticultural material cannot be over estimated. S. A. F. trade is always worth a special effort at Convention time. Send your order in early and it will have our best attention.

Forcing Tomatoes and Cucumbers

Dear Sir—Having some thoughts to build a greenhouse for growing tomatoes and cucumbers I should like to have some information if you would kindly give me same.

Which is the best kind of a house adapted for this? Our preference would be for an even span, say about 100 feet long. Would you have the plants on bed, benches or pots? Please state also the temperature to be maintained for both kinds in the winter. Our idea would be a partition in the center.

I might say that I always enjoy reading your articles in HORTICULTURE.

Thanking you in advance for this and any other information you think would be valuable, I am,

N. J.

Yours very truly,

H. A. S.

In answer to the foregoing I would say first that an even-span house is well adapted for either crop. It would be of great importance to have a partition in the house, as these two crops require different temperature and atmospheric moisture. Tomatoes to be made a paying crop will want a light and tight house which should be high enough to allow of training the plants, which should be at least 5 to 6 feet above the soil in all parts. The temperature should be from 60 to 65 degrees at night; for dull days 10 degrees higher, and on bright days it can run up to about 80, but ventilate at about 72 degrees. If you could plan to have them on benches they would grow there best. They can be planted two feet apart in the rows and leaving about three feet between the rows. Give them a rich compost, say fibrous loam three parts, well decayed manure one part. To have a heavy crop they should be hand-pollinated every day. This can be done by going around on all bright days with watch-glass and tapping all open flowers, so as to collect the pollen, and when you have enough collected touch the end of the stigma of each open flower. While the plants are in bloom the atmosphere should be kept very dry as this helps out artificial aid in pollination. Train the plants to single stem, pinching out all side growths as they appear, but leaving the top for a leader. When the crop begins to swell start feeding with liquid manure once a week.

Cucumbers like a warm and moist atmosphere. When they are first set out they will require careful watering, but when they are three or four feet high they will take an abundance of water at the roots, with lots of syringing. It is then difficult to over-water them if they are healthy and the weather good. The best temperature is about 68 degrees at night, 70 being the extreme. In other words the temperature must be kept pretty even at all times. On bright days it should run up to 80 or 85 degrees and in dark weather 5 or 10 above the night temperature will be about right. Cucumbers like a good bottom heat and I think that a soil temperature of 75 degrees is not too high, although many growers theorize that it should not be higher than the night temperature of the house. This crop wants very careful ventilation. Give just enough each day to keep the temperature right. The ventilators should be raised a trifle as the temperature begins to rise in the morning and a little more added as may be necessary. Chills and drafts are always to be avoided. The atmospheric condition is what will require the time, labor, study and patience on the part of the cucumber grower. By condition of the atmosphere is meant temperature, moisture and ventilation. Give cucumbers a rich compost,—about the same as for tomatoes. If the soil is somewhat stiff add enough of sand to make it loose and porous. The cucumber bears two kinds of blossoms on different parts of the plant. The staminate or non-fruit bearing blossom is the first to appear. The pistillate flower, with the little pickle at the base appears later. In order to have a good set of cucumbers it will be neces-

sary to do some hand pollinating. This may be accomplished by the use of a camel's hair brush. In using the brush it is essential to touch each of the female flowers with the brush but first get enough of pollen from the male flowers. An occasional shaking of the plants when the air is dry will help materially in the distribution of the pollen. The distance to plant should be about three feet apart each way.

John J. M. Farrell

Dirca palustris

The Leatherwood, so called on account of the toughness of its bark, a native of the United States, with a range extending from New Brunswick to Florida, Missouri and Minnesota, and one of our best native shrubs for natural planting, is for some unknown reason receiving little attention from the nurseries.

It is a member of the family Thymeleaceae, to which belongs also the Daphne, and while it is not as beautiful as the latter it is fully as useful in its proper place. It should be planted in a good moist loam and does not mind lime, since it is to be found in deeply shaded situations on the limestone bluffs which line the course of the Alabama River, where it finds its southern limit. So far as the writer has been able to ascertain there are no insects or fungous diseases that attack the *Dirca*, although in 1896 there was reported a fungus, *Aecidium* sp., found on *Dirca palustris* in Winston County, Ala. The report does not state whether or not this fungus does any material harm to the plant.

The Leatherwood is not a conspicuous shrub in regard to flowers, although these are of a yellowish hue and appear early in the spring before the leaves, but is more valued for its habit in forming a symmetrical, almost tree-like shrub in favorable locations, with such thick and luxuriant foliage as to make an impenetrable screen four to five feet in height. It is thus particularly useful in natural border planting in moist land.

All authorities state that the fruits, which are borne immediately after the flowers have fallen, are red and drupe-like. While this may be true of the shrub in favorable localities, we in the north rarely see the fruits get red; in fact, they drop before they are hardly yellowish, a habit of most of our native moisture-loving plants. This makes the seed hard to obtain in sufficient quantities for propagation, although it germinates readily. The best method aside from propagation by seed, for increasing this plant is by layering in June, a method which is very successful.

The Leatherwood, as I have stated, derives its name from the extreme toughness of its bark, which, when taken from a well developed stem will tax the strength of two men to break it. It was used by the Indians and early settlers for string, thongs and ropes and in the manufacture of baskets. It has certain medicinal qualities as an emetic, and was not to be overlooked as a cure for toothache.

This plant, if more often found in nurseries, would, I have no doubt, find ready sale to planters, provided, however, it could be propagated in sufficient quantities to keep the price at a reasonable limit.

Herbert M. Canning

Brookline, Mass.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to THE EDITOR OF HORTICULTURE.

Painting

With the houses nearly, if not all planted, painting should not be put off any longer but should start at once. It will be difficult to get around after the plants grow up a bit, and it is therefore very necessary that the painting be done at once. Where it is possible, put several men into a house as soon as all the dirt is wheeled out, and let them finish the house right up before it is refilled and planted. Not being able to do this, however, should not keep anyone from painting, as the places hardest to get at can be done first, and the rest let go until its turn comes. In the modern wide and roomy houses plants will interfere but very little with painting operations, and painting can be done after all other work is completed. Needless to say all work should be well done. It does not pay to use cheap paint, for it is sure to crack and peel in time, and what is saved on the paint at first will have to be expended to scrape and sandpaper the wood and iron work next time. As to the thickness of the paint, see that the first coat is thin, just thick enough to keep it from running, also that it contains very little material besides linseed oil. You could mix in cheaper oils, but you would be stealing from yourself if you did that. Where white lead is used see that it is well broken before the paint is applied for white lead that has been standing in a keg for some time will not dissolve very readily when put into oil. The best way to unite the two is to take a pail of lead, pour some oil into it and mix and stir until the oil is all taken up. Then add more oil, stir some more, add oil again and keep this up until the paint is of the required thickness. See that all the materials are right, and that the work is done as it should be, if your work is let out on contract. The contracting painter may be a very good and honest man, but some of his men may be a trifle careless, and should this be so you could hardly expect to get your money's worth. It is not only the first loss that will be noticeable; you will find that if the one painting is not done well, the second will be much more difficult and expensive. Then there is the glass. A good painter will not smear as much paint on the glass as he puts on the wood, and if there are any that do this, make them wipe it up after them with a rag. A little of this will teach anyone the necessity of being careful, and better work will result. On many places this work is all done with the regular help, or by the proprietor himself. If this is the case it is well to instruct those that do not know, that it is absolutely necessary to keep clean, and not have the paint all over the hands and face. Lead is poisonous, and although very slow, it will affect some people sooner or later.

Wiring the Benches

As soon as it is necessary, the benches should all be wired, so that the plants can be tied as needed. Where the wires have been carefully cleaned and preserved it will be a very simple matter to get them and stretch them again. Where the wires are very rusty and weak, better throw them out, and secure new ones for it will be more trouble than a little to stretch them tight enough to look good, and do the work properly. Although we generally string up all the wires at once, we stretch only those that are really needed. There is not much difference in this, but we find it very much handier to do the tying when the upper wires are not there to bother. It is also more convenient to pick leaves, observe the plants and so on, for one can bend right over the plants, and see just what is what. See that the ends are well braced, so that there will not be any give whatever when all the wires are stretched later on. Should there be a give, it must be remedied, for the bottom wires would all loosen when the upper ones are stretched, and this would be bad for the looks of the house, and one could not proceed as rapidly in tying and so on, as when the wires are very tight. Syringing would prove more difficult, too.

Scratching over the Benches

In scratching over the soil in the benches, be very careful not to break up the soil too fine. It is best to leave plenty of lumps all over the surface, so that the water will stay where it is placed when applied with the hose. If the soil is broken up very fine, you will find that the water will soon run all over the benches, and that the surface will get hard and scummy, and it will be very difficult to keep in proper condition. Destroy all the weeds, for that is one of the objects in doing the scratching. Unless you have experienced growers doing the work, do not allow anyone to use srathers, or weeders. They are a very dangerous thing in the hands of an inexperienced man, and more damage is likely to result, than all the good that they ever done. The trouble is that the men are very likely to dig too deep alongside of the plants, and will thus disturb the roots, and thus check the plants. Where the soil is very hard and dry, it can be dampened down ever so little, to make it easier to break up, but use the fingers only, and do not go too deep, especially after the first working. In breaking up the soil, keep an eye open for any disease that may appear here and there, and for spot. This should be picked off at once and the leaves burned at the earliest convenience. Do not dump them right outside for bugs and insects to breed in. Burn them and be done with them, at the same time accomplishing something to prevent the spread of plant diseases.

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Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

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CONTENTS

Page

COVER ILLUSTRATION—The Convention City—View in Public Garden, Boston.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Camellias—Care of Aster—Amaryllis—Mulching Compost—Primulas for Spring Flowering—Labeling Plants <i>John J. M. Farrell</i>	137
FORCING TOMATOES AND CUCUMBERS— <i>John J. M. Farrell</i>	138
DIRCA PALUSTRIS— <i>Hubert M. Canning</i>	138
ROSE GROWING UNDER GLASS—Painting—Wiring the Benches—Scratching Over the Benches— <i>Arthur C. Ruzicka</i>	139
THE CONVENTION CITY—Illustrated—The Arnold Arboretum, <i>Wm. H. Judd</i> —The Convention Garden	141
CLUBS AND SOCIETIES—American Association of Park Superintendents—American Gladiolus Society..	142
Gladiolus Society of Ohio— <i>William R. Smith Memorial</i>	143
SEED TRADE—Seed Trade Criticisms— <i>Geo. C. Watson</i> —Pea Crop Conditions	144
OF INTEREST TO RETAIL FLORISTS: Publicity Not Always Advertising—Steamer Departures	148
Flowers by Telegraph—New Flower Stores.....	149
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago, Cincinnati, New York, Philadelphia, St. Louis.....	153
Washington	155
DURING RECESS—Minnesota State Florists—Chicago Florists' Club—Buffalo Florists' Club Outing—St. Louis Florists' Picnic— <i>Bobbink & Atkins' Lawn Party</i>	160
OBITUARY— <i>Alexander McKerichar</i>	162
MISCELLANEOUS: <i>E. J. Shaylor, portrait</i>	143
Business Troubles	148
Knoxville Notes—Cincinnati Notes.....	150
Washington Notes	150
Personal—New Corporations	155
Chicago Notes	155
Greenhouses Building or Contemplated	162
Visitors' Register	162
Patent Granted—News Notes.....	162

Where
self-reliance
counts

"W'en 'Omer smote 'is bloomin' lyre
 And sang of things on land and sea;
 'W'atever suited 'is desire
 'E went and took, the same as me."
 —*Kipling*.

How many indifferent gardeners there are filling positions of high rank because they had the "nerve" to walk up and appropriate them, or how many

capable gardeners are occupying places much below their ability because of lack of courage to assert themselves, nobody knows, but without a doubt there are many who are in the one or the other category. The world has always been amply supplied with self-confident individuals who "went and took" and also with those whose lack of courage at the psychological moment has relegated them to a fate far below their real worth. These thoughts are brought out by the recent interesting discussions in our columns on the "cheap gardener" question. "God helps them that help themselves" is a proverb as true today as it was when Ben Franklin put it into Poor Richard's Almanac.

Secure
your rooms

We wish to impress as strongly as possible upon those of our readers who are contemplating a convention trip to Boston, the fact that, so far as hotel accom-

modations are concerned, they are quite likely to find that the mid-summer situation in Boston is quite the reverse of what it is in some other cities they have visited. Instead of being a dull time with the hotels August is here a busy season because of the many tourists and summer sojourners. Those, therefore, who wish accommodations during the Convention are warned against waiting until they get here, assuming that there will be plenty of room. Especially those who will be accompanied by ladies and children should secure rooms in advance and thus save themselves possible disappointment and annoyance. Any one of the houses advertising in this paper can be relied upon. They are all close to the convention hall and all first class. And those who prefer to go elsewhere can be placed by the hotel committee of which P. Welch is chairman, and who will be pleased to advise and assist in every way he can. But, in any case, attend to it now.

About
public grounds

As the attractiveness of the Boston Convention Garden grows and matures, the idea of maintaining it as a permanent floral beauty-spot develops and gathers strength in the public mind and with the press, and has evoked favorable expression from the city authorities. We earnestly hope that such disposition may be made of the tract but in no sense should it be regarded—as suggested by some correspondents of the daily press—as a possible substitute for the Public Garden. We should be very sorry to see the people of Boston or of any other of our populous centres ever consent to an abandonment of any grounds once acquired for public use, no matter how many additional garden reservations may be constituted. It is an almost universal fault in city development that public breathing spots which will be centrally located as the city expands are so seldom reserved. Too often their desirability is only realized when it is too late and the value of land has reached a prohibitive mark. As time goes on and population becomes denser Boston will have occasion to thank the men who were far-sighted enough to establish and maintain these open spaces with their health-giving verdure and sunlight. And this applies not to Boston alone but to every community. Let us have the Fenway Garden, by all means, but not at the sacrifice of any other breathing spot and coming generations will bless our memory.

THE CONVENTION CITY

THE ARNOLD ARBORETUM.

The Convention at Boston will draw this way quite a number of gardeners from divers quarters, who, for various reasons may not find a more convenient occasion to visit this city. Naturally they will endeavor to see all the more important places while here, for the neighborhood abounds with large private and public parks and gardens of note. Among the latter probably the one that appeals to most men is the Arnold Arboretum, which contains the finest collection of trees and shrubs in America, and, therefore, a visit should not be missed by anyone who has a large or small amount of planting to do, and seeing what an important part landscape planting plays in horticulture today, it is certainly to his benefit to at least spend a few hours here, where he will be able to see growing, every tree and shrub adapted to the climate of New England, be able to observe its habit and character, and acquire its proper name. Any car to Forest Hills places the visitor close to one of the entrances.

In the systematic beds during every season of the year there is some plant or other in flower, or fruit. Many various species of *Lonicera* are now very beautiful with their large displays of bright berries. Taking the upper road by the pond leads to the splendid collection of Lilacs, which, when in flower appeal to the general public more than anything else in the Arboretum. Beyond are arranged the main collection of *Viburnums* whose fruiting qualities may now be observed.

On the summit of Bussey Hill, close by, will be found arranged in a circular bed all the newer plants introduced by Mr. E. H. Wilson from Western China that prove hardy here. A belt of the beautiful Cedars of Lebanon should be noticed, that so successfully stood the



Washington Statue, Public Garden, Boston, from Commonwealth Ave. Entrance

rigors of the past severe winter. Passing down to the valley below is found the fine collection of hybrid Catawbiense Rhododendrons, beyond which is seen the broad border of Mountain Laurel, which when flowering about the end of June produces another of the Arboretum grand floral displays, while covering the steep sides and summit of the hill is the Arboretum's grandest and most beautiful feature, the splendid group of naturally planted Hemlock Spruce (*Tsuga canadensis*). Across the brook by Hemlock Hill is planted the main conifer collec-

tion. On Peters Hill yet beyond will be found the large collection of various forms and varieties of *Crataegus*, beautiful both in flower and fruit. Around the base of the hill is a mixed collection of various deciduous and evergreen trees and shrubs containing some very choice and rare species. Upon the large extent of walls that encircle the Arboretum will be observed a various collection of suitable wall covers such as *Vitis*, *Celastrus*, *Actinidias*, *Tecomas*, *Lyciums*, etc.

Space will not permit of lists, but this brief outline should prove useful to those who are able to spend a few hours there, which would undoubtedly prove to their benefit especially the younger members of the fraternity. A printed guide may be obtained at the administration building which describes the Arboretum very fully, besides containing some good photographs, together with a map or two which certainly makes the Arboretum far more interesting to the visitor.

WM. H. JUDD.

THE CONVENTION GARDEN.

Deputy Commissioner Shea states that all the beds provided for in the original garden plan have been taken up by various exhibitors and are planted. Grading has been completed, walks are being finished and the lawns seeded down. All the plantations are doing well, except that the unseasonably cool weather is holding back some of the gladioli and a flock of wild ducks have been doing mischief among the aquatic groups in the river bays. The Farquhar Japanese garden is quite elaborate and will soon be completed. The exhibitors who have taken advantage of this unprecedented opportunity for a public display of garden material will have a good thing for it will be a standing advertisement during the entire summer.



The Francis Parkman Monument 850,000 Marble Band Stand on Boston Cove

CLUBS AND SOCIETIES

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The Sixteenth Annual Convention of the American Association of Park Superintendents will take place at Newburgh, New York City, August 24, 25, 26 and 27, 1914. Headquarters, at Newburgh, Palatine Hotel, at New York City, Hotel Astor.

Officers, 1914.

President—H. S. Richards, Chicago, Ill.

Vice-Presidents—G. W. Burke, Pittsburgh, Pa.; Fred C. Green, Providence, R. I.; Frank Brubeck, Terre Haute, Ind.; W. S. Manning, Baltimore, Md.; G. Hennenhofer, Pueblo, Col.; G. Champion, Winnipeg, Can.

Secretary-Treasurer—J. J. Levison, Brooklyn, N. Y.

Program.

MONDAY, AUGUST 24

300 P. M.—Meeting of the Executive Board. Registration.

7.30 P. M.—Annual business meeting at Headquarters, Palatine Hotel, Newburgh, N. Y. Address of Welcome, Mayor of Newburgh. Addresses by the Park Commissioners of Newburgh. Response, President H. S. Richards.

A brief sketch of the life and work of Mr. Andrew Jackson Downing, by Prof. F. A. Waugh.

"The Preservation of Natural Woodlands under Park Conditions," illustrated lecture and discussion led by Ogelsby Paul, Landscape Gardener, Fairmount Park, Philadelphia, Pa.

TUESDAY, AUGUST 25

7 to 10 A. M.—Visit to Mt. Beacon, one of the highest points in the vicinity and famous in Revolutionary times.

10.00 A. M.—Start by auto from quarters at Newburgh to visit the important points of interest in the city, thence through Tuxedo Valley to Tuxedo Park. The Association will be entertained at luncheon by Mrs. E. H. Harriman on her estate at Arden.

WEDNESDAY, AUGUST 26

10 A. M.—Through the courtesy of Hon. George W. Perkins, President of the Inter-State Park Commission, the Association will leave Newburgh by boat on a trip down the Hudson River to West Point and Inter-State Park, arriving in New York City early in the evening.

THURSDAY, AUGUST 27

9 A. M.—Meet at headquarters, Hotel Astor, New York City. Address of Welcome, Hon. John P. Mitchell, Mayor of the City of New York.

9 A. M.—Address, Hon. Cabot Ward, President of New York Park Board. Response, President H. S. Richards.

Automobile trip through parts of the park systems of Manhattan, the Bronx, and Brooklyn. At the New York Zoological Park luncheon will be served to the Convention as guests of the New York Zoological Society. Trip terminates at Coney Island.

AMERICAN GLADIOLUS SOCIETY.

Schedule of prizes, for the Fifth Exhibition of Gladiolus Blooms to be held in connection with the Annual Meeting of the Society and the Society of American Florists and Ornamental

Horticulturists at Mechanics Hall, Boston, Mass., August 18, 19 and 20, 1914.

OPEN CLASS

Vaughan's Seed Store No. 1, 25 spikes Mrs. Francis King; 2, Silver Medal, 2 spikes Chicago White; 3, \$5.00, 25 spikes Primulus Sunbeam.

E. E. Stewart 4, \$5.00, 12 Black Beauty 5, \$5.00, 12 Golden Queen; 6, \$5.00, 12 Lucille; 7, \$5.00, 12 Michigan.

W. E. Fryer 8, \$5.00, 6 Mrs. W. E. Fryer; T. A. Havenmeyer 9, \$10.00, 6 white; 10, \$10.00, 6 pink or shades of pink; 11, \$10.00, 6 yellow; 12, \$10.00, 6 blue or lavender; 13, \$10.00, 6 red or shades of red; 14, \$10.00, 6 of any other color.

W. Atlee Burpee & Co. 15, \$10.00, collection, 10 varieties, 6 each.

H. W. Koerner 16, \$5.00, 12 American Wonder; 17, \$5.00, 12 Twilight Chibi; 18, \$5.00, 12 American Giant.

Jacob Thomann & Sons 19, \$5.00, 25 of any white variety.

Montague Chamberlain—20, \$10.00, white seedling, 3 spikes; 21, \$10.00, yellow seedling, 3 spikes; 22, \$10.00, pink seedling, 3 spikes.

B. Hammond Tracy 23, Silver cup for largest and best collection of pink gladioli not less than 3 spikes of any one variety.

Bidwell & Fobes 24, Silver medal for vase 25 Panama; 25, Silver medal for 25 Niagara.

M. Crawford 26, 50 bulbs of gladiolus White Lady, for the best red variety not before exhibited.

A. H. Austin Co.—27, \$5.00, for the best gladiolus corsage bouquet. Other flowers or green may be used to finish nicely.

AMATEUR OR GARDENER'S CLASS

John Lewis Childs For collection, 10 vases Gladiolus Childs, named varieties 28, \$10.00, 1st prize; \$5.00, 2nd prize.

H. W. Koerner 29, \$5.00, 12 American Wonder; 30, \$5.00, 12 Twilight Chibi; 31, \$5.00, 12 American Giant.

Knight & Struck Co.—Vase containing 3 spikes Gladiolus Mrs. Frank Pendleton—32, \$3.00, 1st prize; \$2.00, 2nd prize. Vase containing 3 spikes Gladiolus Badenia 33 \$3.00, 1st prize; \$2.00, 2nd prize.

"The Modern Gladiolus Grower," Chatham, N. Y.—34, Silver cup, for largest and best display, to contain at least 6 named varieties, 3 spikes each.

Jacob Thomann & Sons 35, \$5.00, 3 spikes of any white variety.

L. Merton Gage, Wellesley, Mass. 36, \$5.00, vase of 10 varieties, 1 spike each.

G. D. Black, Independence, Iowa 37, 60 bulbs Golden King, vase of yellow varieties.

H. E. Meader, Dover, N. H.—38, Cut glass vase for best vase, 6 spikes of America.

American Gladiolus Society—39, Exhibit of at least 15 varieties, 3 spikes each, correctly labeled; Silver medal, 1st prize; bronze medal, 2nd prize.

Mrs. Francis King—\$10.00, for best arrangement of gladioli in basket or other receptacle, not less than 20 spikes, with two other flowers.

GLADIOLUS SOCIETY OF OHIO.

The second annual flower show of this society will be held on August 14 and 15 in the Assembly Rooms of the Hollenden Hotel, Cleveland, O. Premiums are offered as follows:

Class 1 Display (Amateur), 10 varieties, 6 each: 1st, silver medal; 2nd, bronze medal.

2.—By the Modern Gladiolus Grower—10 varieties, 6 each; silver cup.

3.—By Joe Coleman Collection, not less than 10 varieties, 6 each; silver cup.

4.—By the Gladiolus Society of Ohio Seedling, or other variety not before shown here, grown by exhibitor, 6 or more spikes; certificate of merit.

5.—By C. Betscher—Collection Primulus hybrids; \$5.00.

6.—By H. F. Michell Co.—Vase cut Gladioli; bronze medal.

7.—By The Perkins King Co. A Niagara; 25 corms Niagara.

8.—By Munsell & Harvey Vase of white; \$5.00.

9.—Classes 9 to 18 inc., by C. Betscher Vase Europa, 12 peonies value, \$12.00.

10.—Vase America, 12 peonies, value \$7.50.



Mignonette

BODDINGTON'S MAJESTY

THE finest of all the Fancy Varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety.

Trade Packet 60 cts., 1/8 ounce \$1.00, ounce \$7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th St., - NEW YORK

"These Prices are for the Trade Only."

LILIUM HARRISII

For Immediate Use

We have received our first consignment of Harrisii, and offer a selected stock of the original true Harrisii for early forcing. This stock was grown from the original true type and will be found splendid stock for early forcing, for which purpose Harrisii is so valuable. The crop is much shorter than usual this season, but we are in position to supply a nice lot of selected stock, and can make delivery from first shipment.

6 to 7-inch bulbs, 350 to the case, \$5.50 per 100, \$45.00 per 1,000

7 to 9-inch bulbs, 200 to the case, \$9.00 per 100, \$80.00 per 1,000

Full case lots at thousand rates.

FERNS

There is nothing better for summer use than the fine varieties of NEPHROLEPIS. We offer a nice stock of the following varieties, well established plants ready for immediate shipment.

Nephrolepis elegantissima (The Tarrytown Fern), 3½-inch, 25c. each; 6-inch, 50c. each; 8-inch, \$1.00 each.

Nephrolepis magnifica, 3½-inch, 25c. each.

Nephrolepis muscosa, 3½-inch, 25c. each; 5-inch, 50c. each

Nephrolepis Harrisii, 6-inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Nephrolepis Bostoniensis, 6-inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Pteris Wimsetti multiceps—a fine hardy fern 3½-inch, 15c. each.

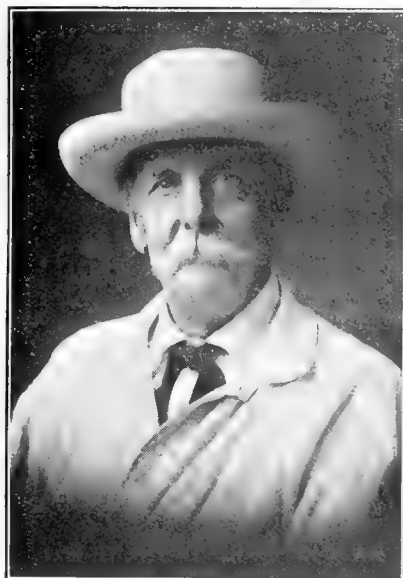
Small Ferns for Fern Pans. A fine assortment. 2¼-inch, \$4.00 per 100.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON NEW YORK

- 11.—Vase Mrs. Francis King, 12 peonies; value, \$5.00.
- 12.—Vase Panama, 12 *Heimerocallis*; value, \$5.00.
- 13.—Vase Mrs. Frank Pendleton, Jr.; value, \$2.50.
- 14.—Vase Glory, 25 corms Europa.
- 15.—Vase Florists' White, 25 corms *Nan-cieanus*.
- 16.—Vase Light Pink, 25 corms named Lemoinei.
- 17.—Vase Rose Pink, 25 corms named Pfützeri.
- 18.—Vase Yellow, 25 corms named Childsi.
- 19.—By W. Atlee Burpee & Co. Vase Red, 19 spikes; \$5.00.
- 20.—By E. E. Stewart—Vase Michigan, 10 spikes; \$5.00.
- 21.—By E. E. Stewart—Vase Black Beauty, 10 spikes; \$5.00.
- 22.—By H. J. Alford—New seedling, one or more spikes; \$5.00.
- 23.—By N. L. Crawford—White seedling, one or more spikes; \$5.00.
- 24.—To be provided—Vase Blue.
- 25.—By The A. H. Austin Co.—Basket Gladoli, arranged for funeral use; silver cup.

E. J. SHAYLOR.

The gentleman whose portrait appears here is well known in the peony world. His fine collection of peonies at Weston, Mass., has been disposed



E. J. SHAYLOR

WILLIAM R. SMITH MEMORIAL.

The following circular letter is being sent to members of the S. A. F.

Your Committee appointed at the Chicago Convention for the erection at the National Capital of a suitable memorial to the late William Robertson Smith, "The Father of our Charter," has been continuously at work, and has decided that the monument should be useful as well as ornamental in the shape of a memorial building or educational garden.

It is hardly necessary for your Committee to remind you that Mr. Smith was for more than fifty years Superintendent of the United States Botanic Garden, at Washington, D. C., and an honored member of the Society of Florists and Ornamental Horticulturists from the time of its organization.

Your Committee, therefore, asks that you now send your subscription addressed to William F. Gude, Chairman, 1214 F Street, N. W., Washington, D. C., so that the memorial may take tangible form at the earliest possible date.

We trust that your contribution will be a liberal one for this worthy cause, that the florists of the United States may show their appreciation of the man who did so much towards promoting and uplifting our calling.

Awaiting an early and favorable reply, we are, Respectfully,

WM. F. GUDE, Chairman.

RICHARD VINCENT, JR.,

HARRY PAPWORTH,

J. A. VALENTINE,

JOHN K. M. L. FARQUHAR.

William Robertson Smith Memorial Committee.

of to T. C. Thurlow's Sons of West Newbury, Mass., as stated on page 111 of last week's issue. Notes and portrait were intended to appear together but the notes were a little "too previous".

Durham, N. Y.—Two new members of the agricultural faculty of New Hampshire State College have taken up their work. J. B. Scherrer of Pennsylvania State College comes as instructor in vegetable gardening and as assistant in vegetable gardening in the state experiment station. He will teach the course in greenhouse management and landscape gardening. F. H. Wilson of the Massachusetts Agricultural College, class of 1908, will take the classes in floriculture.

PRIMULA MALACOIDES

Out of three-inch pots at \$5.00 per hundred
out of 2½-inch pots at \$3.00 per hundred
This is excellent healthy stock for growing on. Cash with order please.

A. L. MILLER, Jamaica Ave.,
BROOKLYN, N. Y.

HEACOCK'S KENTIAS



JOSEPH HEACOCK COMPANY
WYNCOLE, PA.

FOR FALL DELIVERY.

GERMAN IRIS in Endless Varieties.
LILIIUM HENRYI AND TENUIFOLIUM
in Endless Quantities.
Write Us for Prices.

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. **CATTLEYAS:** *Percivalliana*, *Gaskelliana*, *speciosissima*. **DENDROBIUMS:** *Formosum*, *Wardianum*, noble, *densiflorum*, *Schuitzi*. **VANDAS:** *Coerulea*, *Batemannii*, *Luzonica*, *Imshootiana*. **PHALAENOPSIS:** *amabilis*, *Schilleriana*, *Spathoglottis plicata*.

Write for Special List No. 55.
LAGER & HURRELL, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World
SANDER, St. Alban s, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.



PRINCESS. 20—The New Upright Pansy

This strain is entirely distinct from all others. It is absolutely compact upright growing and extremely weather-proof, enduring many storms without damage to its flower. The flowers are mostly blotched and frilled like the Masterpiece, of good form and heavy velvety texture, on heavy stems carried well above the foliage. Attractive by the brilliancy of its colors.

500 seeds 25c. 1000 50c. 1/4 oz., \$2.50, 1 oz., \$10.00

- 34—Bronze—Brown and copper shades mixed.
- 36—Fancy—Rich colors, mostly margined.
- 38—Mme. Perret—Red and wine shades.
- 40—Zebra—Fine striped mixture.
- 42—Adonis—Light blue, white center.
- 44—Black—Almost coal black.
- 46—Black with bronze center.
- 48—Lord Beaconsfield—Purple shaded white.
- 50—Bronze—Beautiful Bronze.
- 52—Bronze with yellow center.
- 54—Velvet Brown with yellow center.
- 56—Havana Brown.
- 58—Havana Brown with yellow center.
- 60—Cardinal—Curled, bright red, dark blotch.
- 62—Cecily—Steel blue, margined white.
- 64—Goliath—Large curled yellow blotched.
- 66—Hero—Curled, deep blue shaded white.

The KENILWORTH Giant Pansy

seeds are all grown by myself and are offered in the following mixtures and separate colors:

- 22—**KENILWORTH STRAIN**—The flowers are of perfect form and substance; many of the immense flowers are from 3 1/2 to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.
- 24—**KENILWORTH SHOW**—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.
- 26—**KENILWORTH CUT FLOWER MIXTURE**—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.
- 28—**MASTERPIECE**—A remarkable type; the curled, wavy petals giving the flower a double appearance, large flowers of great substance, on long, strong stem.
- 30—**GIANT THREE AND FIVE BLOTCHED PANSIES**—A superb mixture. Flowers large and of circular form and of great substance. The display of coloring is unsurpassed. A combination of almost every shade of rich velvety colors, reds are particularly conspicuous; the petals being distinctly marked with three or five large dark blotches.

NEW SEED NOW READY.

All sorts and mixtures, except the new Pansy Princess, are \$5.00 per oz., \$1.25 per 1/4-oz.; 5000 seeds, \$1.00; trade packet of 1000 seeds, 25 cents; any 5 pkts., \$1.00. Please order by number.

- | | |
|--|---|
| <ul style="list-style-type: none"> 68—Emp. William—Ultramarine blue, violet eye 70—Eros—Velvety brown, yellow margin 72—Emp. Franz Joseph—White blotched blue 74—Emp. Frederick—Maroon with gold edge 76—Fairy Queen—Azure blue, white edge 78—Freya—Purplish violet, white edge 80—Gold-Edge—Velvety brown, gold edge 84—Superba—Orchid tints of red and wine 86—Sunlight—Yellow with brown blotches 88—Andromeda—Curled apple blossom 90—Colossea Venosa—Light veined shades 92—Almond Blossom—Delicate rose. 94—Aurora—Terra cotta shades 96—Mammoth—Greenish yellow shades 97—The above 7 named Orchid mixed 98—Indigo Blue—Deep velvety blue 100—Light Blue shades 102—Minerva—Red ground, violet blotched 104—Meteor—Bright red brown 106—Pres. McKinley—Yellow, dark blotched 108—Mahogany with white margin 110—Mahogany with yellow margin 112—Mourning Clock—Black with white edge 114—Purple—Large rich deep color. 116—Peacock—Blue, rosy face, white edge 118—Psyche—Curled white, five blotches 120—Pres. Carnot—White, five blue blotches. | <ul style="list-style-type: none"> 126—Red—A collection of rich red shades. 128—Red Riding Hood—Curled and blotched. 130—Rosy Morn—Purple crimson, white edge 132—Striped on lilac ground 134—Striped on bronze ground 136—Victoria—Blood red, violet blotches 138—White, Large satiny white 140—White with violet blotch 142—Yellow, Large golden yellow. 144—Yellow with dark blotch. 146—34 to 144 mixed in equal proportions |
|--|---|

For fuller description send for catalogue

RAINBOW is a mixture of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

About Seed Trade Criticisms.

Mr. George C. Watson,
Care of "Horticulture",
Boston, Mass.

Dear Sir:

We have received a copy of "Horticulture" of July 25, 1914, in which, on page 114, is a marked article in which you have done me, as author of the paragraph in question, an injustice. The paragraph in the bulletin reads: "If the seed appears to contain considerable of such rubbish, the buyer should insist that it be cleaned before he takes it, (or) secure a reduction in price proportionate to the amount of impurity or look elsewhere for his supply." This presents accurately the three options which it seems to me are before the purchaser of seed which is presented to him in an impure condition, and the wording does not at all justify your assumption that we would infer "the cleaner the seed the smaller the price."

Of course, as "Horticulture" is a trade journal you are obliged to look at the matter from the tradesmen's standpoint. We as a Station devoted to the interests of the farmers of the State look at it from a slightly different standpoint. But it would seem to me that you as a former Station worker need not go unnecessarily out of your way to ridicule our efforts to impress upon the farmer of the State the

fact that the legislators failed to secure for them, in the Seed Inspection Law, the object they desired and believed they were about to secure.

Very truly yours,

F. H. HALL,

Editor and Librarian.

N. Y. Agri. Exper. Sta., Geneva.

After reading Mr. Hall's letter, I think perhaps I was a little severe, and I hereby hand him a full and free apology. At the same time I am glad to find one man in a government position who is sensitive to criticism. The seedsmen are extremely sensitive to the aspersions that have been and are being unjustly cast on us by legislators hunting for the farmers' vote. These men do not seem to realize that the seed business is a brand of farming, and if you malign the seedsmen you're maligning the farmer also. Because a sample of seed has some sand and seeds in it, which the Almighty put there, the seller, according to the politicians has committed a heinous crime. And this has been going on for years and years. If they would say—"Mr. Farmer, be sure you get

clean seed and be willing to pay a good price for purity," then all would be well.

GEO. C. WATSON.

Pea Crop Conditions.

No radical changes in crop conditions have developed since we published our last general review of crops. Peas are nearing a point where a pretty accurate estimate of the yield is possible, not only of the total crop, but of the separate varieties; but prospects do not become any more rosy. In fact such information as we have indicates that more or less damage has occurred and it is quite within the possibilities that peas may be worth a smart premium over growing prices of last spring, at least many varieties. We believe this is unquestionably true of Alaska, and that many other varieties will be included. As an indication of how the crop will turn out, it may be stated that the pack of canned peas the country over will be at least 30 per cent. short of estimates, and a number place the shortage as high as

More Red Devil Cutters Used Annually Than All Others Combined



"It's all in the wheel"

Send 6c. for sample No. 024 and Booklet 40 styles, and understand why.
SEND FOR BOOKLET ANYHOW.

SMITH & HEMENWAY CO., 161 CHAMBERS ST., NEW YORK

Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our CHALLENGE PANSY seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance?"

½ trade pkt. 25 cts., trade pkt. 50 cts., ¼ oz. 75 cts.,
¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.00.

1914 NOVELTY PANSY SIM'S GOLD MEDAL MIXTURE

Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim (renowned for Sweet Peas), Cliftondale, Mass., and we are offering seed from the originator for the first time. Trade pkt. 75 cts., 3 pkts. for \$2.00, ¼ oz. \$3.50.

Boddington's Quality "English" Pansy

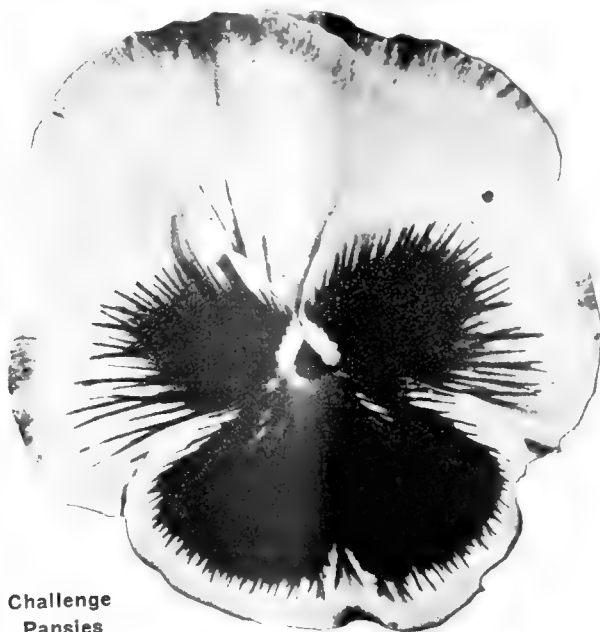
A superb strain of highly-colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms, and strongly recommends this mixture to florists.

Trade pkt. (500 seeds), \$1.00; ½ trade pkt. (250 seeds), 50c.
¼ oz., \$2.25; ½ oz., \$4.25; oz., \$8.00.

Other Choice Varieties of Giant Pansies

	Tr. pkt.	½ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist.....	.50	2.75	10.00
Giant Trimardeau. Mammoth flowering, and in a good range of color.....	.15	.50	1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved; exquisite colors.....	.25	1.25	4.00
Cassier's Giant. A fine strain of large, highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.15	.75	2.50
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	.15	.85	3.00
Giant Orchidæflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamais, etc.	.25	1.75	4.00



Challenge Pansies

	Tr. pkt.	½ oz.	Oz.
Giant Emperor William. Ultramarine blue, purple eye.....	\$0.10	\$0.50	\$1.50
Giant Golden Queen. Bright yellow; no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow; brown eye.....	.15	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large, dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.15	.75	2.50
Giant Pretiosa. Crimson rose, white margin, violet blotch.....		1.25	4.00
Giant Rosy Lilac.....	.15	.60	2.00
Giant White. Violet spot.....	.10	.60	2.00

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	.25
BRIDESMAID. Giant flowers of rosy white.....	.25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	.25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine.....	.25
PSYCHE. Violet, bordered white; beautifully waved petals.....	.25
PEACOCK. All the name implies; a most beautiful varicolored variety; peacock blue, edged white.....	.25
RUBY KING. Superb crimson and red shades.....	.25
SNOWFLAKE. Pure white; immense flower.....	.25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	.25
Collection of the above 10 varieties, one packet each, for \$2.00.	

"THESE PRICES ARE FOR THE TRADE ONLY"

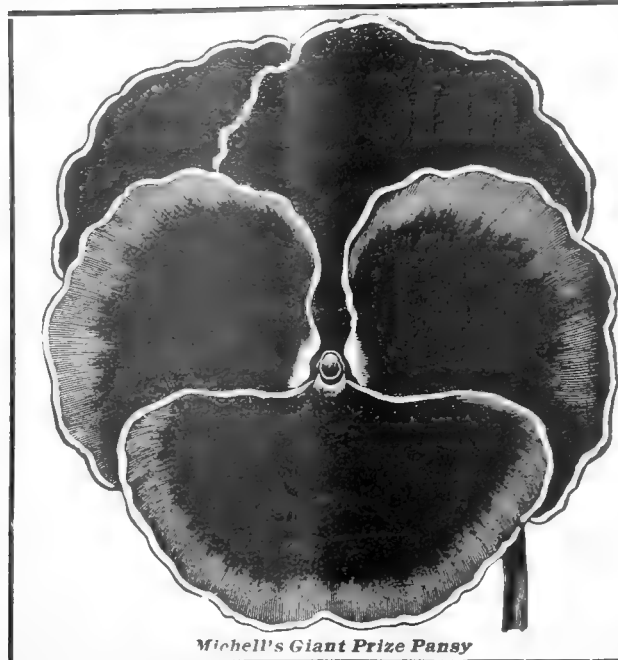
Arthur T. Boddington, Seedsman, 342 West 14th St. NEW YORK

40 per cent. With 16 to 18 new canneries in operation in the canning of peas, it is now estimated that the total pack of the country will be from half a million to a million cases less than last year, and of decidedly better average quality. This means better prices.

There were certainly many thousands of bushels of what are known as

"canners' varieties" carried over, particularly of what are known as "sweet peas" including Advance, Admiral and Horsford's Market Garden, while the carry-over of pedigree Alaskas was comparatively light. It is quite well understood that a considerable percentage of the canners, including many of the largest, bought no future pea

seed last spring, and the shortage that will have to be covered is variously estimated at from 100,000 to 150,000 bushels, and the prices will hinge largely on this year's crop. As is generally known the high price of seed peas extending over several years developed quite a brood of farmer growers. No matter how good or bad the



Michell's Giant Prize Pansy

New Crop MICHELL'S New Crop GIANT PANSY SEED

GIANT EXHIBITION MIXED. A Giant Strain which for size of bloom, heavy texture and varied colors and shades cannot be surpassed. Half trade packet, 30c.; trade packet, 50c.; $\frac{1}{8}$ oz., 75c.; per oz., \$5.00.

GIANT PRIZE VARIETIES IN SEPARATE COLORS

Azure Blue	Snow Queen
Black Blue	Striped and Mottled
Emperor William	White With Eye
King of the Blacks	Pure Yellow
Lord Beaconsfield	Yellow With Eye

Any of the above separate colors, 40c. per trade pkt.; per oz., \$1.75.

Hortensia Red, Peacock. Trade pkt., 40c.; \$2.50 per oz.

MYOSOTIS SEED

	Tr. Pkt.	Oz.
Alpestris Victoria	\$0.35	\$0.75
Eliza Fanrobert	.15	.75
Palustris	.30	1.75
Palustris Semperflorens	.25	1.50

Also all other Seasonable Seeds and Supplies which are Described in our Wholesale Catalogue and Price List. Send for one if you haven't received it.

HENRY F. MICHELL CO.
518 Market St., PHILA., PA.

original seed stock, every farmer acquired religious scruples against pulling out a single "rogue" or "sport," the result being that the true type has been lost, and a wild degenerate strain has developed. Without any investment and no responsibility, these farmers have sold this junk to canners at prices far below the value of pedigreed seed, and a considerable percentage of them never could discover any difference. Of course they could only pack junk from such seed, and they have been the bane of the the pea canning industry, as the poor quality of their stock has depressed prices and retarded consumption. It may be only just, to state that a number of dealers do not hesitate to dabble in this degenerate seed whenever they can scent a few dollars' profit. We have always believed such dealers both morally and legally liable if financially responsible, and they should be "shown up" if nothing more.

One very important factor in fixing values on spot pea seed next fall is the fact that practically no Alaskas planted for canning went to seed, either East of West, and a very small quantity if any of the sweet wrinkled varieties. Last summer, according to competent judges, 4000 acres planted for canning became too hard and were allowed to ripen in Wisconsin alone, and 1000 to 1500 acres in New York state. This means not less than 75,000 bushels of seed added to the large crop raised by the regular seed growers. In comparing this year's packs of canned peas with last, this enormous seed item should be considered, as it is equivalent to half or three-quarters of a million cases. From our point of view conditions look much brighter for both the seedsman and canner than a year ago.

J. Bolgiano & Son, Baltimore, Md., have just completed the shipment of a large export order of their Early Fortune Cucumber seed to the Province of Kurland, Russia.

The fourth annual flower show at Hartsdale, N. Y., will be held September, 9 and 10. The prize list is a lengthy one.



PANSIES A SPECIALTY

Our Triumph Exhibition Mixture

is especially desirable for its variety of colors and markings. Trade Packet 75c.; Oz. \$6.00.

Our Boston Florist Mixture

is especially adapted for florists' use. Trade

Packet 75c.; Oz. \$5.00. Our Trade List gives a most complete list of named varieties we carry in stock.

ASK FOR IT

FOTTLER, FISKE, RAWSON CO., THE SEED STORE, Faneuil Hall Square, BOSTON

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS
BALTIMORE, MD.

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

CATALOGUES RECEIVED.

H. F. Michell Co., Philadelphia, Pa.—Midsummer Catalogue, 24th edition. Right on tap for the seasonable business. Strawberry Senator Dunlap is shown in colors on the cover. A comprehensive list of seeds, bulbs and sundries.

A. T. Boddington, New York—Midsummer Garden Guide, containing a list of fall bulbs, strawberry plants and seasonable seeds and sundries. Very complete lists of Darwin and May Flowering Tulips, Narcissi, etc., also hardy perennial and old-fashioned flowers.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.
"Renowned Sweet Pea Specialists"
SUNNYSLOPE, INDEPENDENCE, MO

New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.
ASTER—All varieties.
VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St.
STAMFORD, CONN.

ORDERS SOLICITED
The Lily Without a Peer
MEYER'S T BRAND

Formosums **GIGANTEUMS** Multiflorum
CORP. OF CHAS. F. MEYER
99 Warren St., New York

All Seeds and Bulbs sold by Thorburn are always of the very highest quality and true to name.

ASPARAGUS

Plumosus Nanus
Per 1,000
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If you get out some souvenir which

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Allan.

Numidian, Boston-Liverpool Aug. 14

American.

St. Louis, N. Y.-Shampton Aug. 7

Philadelphia, N. Y.-Shampton Aug. 14

Atlantic Transport.

Minnehaha, N. Y.-London Aug. 8

Minnetonka, N. Y.-London Aug. 15

Cunard.

Franconia, Boston-Liverpool Aug. 1

Lusitania, N. Y.-Liverpool Aug. 4

Mauretania, N. Y.-Liverpool Aug. 11

French.

La Lorraine, N. Y.-Havre Aug. 5

Rochambeau, N. Y.-Havre Aug. 8

La Provence, N. Y.-Havre Aug. 12

Hamburg-American.

Pennsylvania, N. Y.-Hamb'g Aug. 8

Imperator, N. Y.-Hamburg Aug. 12

Holland-America.

Rotterdam, N. Y.-Rotterdam Aug. 11

Potsdam, N. Y.-Rotterdam Aug. 11

Leyland.

Canadian, Boston-Liverpool Aug. 8

Bohemian, Boston-Liverpool Aug. 15

North German Lloyd.

Kronp. Wilhelm, N. Y.-B'm'n Aug. 4

Barbarossa, N. Y.-Bremen Aug. 6

G. Washington, N. Y.-Bremen Aug. 8

K. Wilhelm II, N. Y.-Bremen Aug. 11

Red Star.

Vaderland, N. Y.-Antwerp Aug. 8

Kroonland, N. Y.-Antwerp Aug. 15

White Star.

Celtic, N. Y.-Liverpool Aug. 6

Olympic, N. Y.-Southampton Aug. 8

Arabic, Boston-Liverpool Aug. 11

Cedric, N. Y.-Liverpool Aug. 13

children cry for, mothers beg for, and fathers ask for, and if you put it out in the usual manner, so it failed to forcibly convey a message of your goods that would be publicity. But it would not be advertising.

Publicity just loud noise, heard by many, without a moral and without a message.

Advertising is a message to many people about your goods—their high quality; why people should buy of you.

—Southern Merchant.

BUSINESS TROUBLES.

Clinton, Mass.—A. P. Meridith & Son made an assignment on July 28.

Niagara Falls, N. Y.—John C. Bischoff, florist, 753 Seventh street, assets \$611.83, liabilities \$3,638.96.

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Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn, the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
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Detroit, Mich.—J. Breitmeyer's Sons,
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Montreal, Can.—Hall & Robinson, 825 St
Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.
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New Haven, Conn.—J. N. Champion, 1026
Chapel St.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
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New York—A. Warendorff, 1193 Broad-
way.
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Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
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son Co.
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St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

Chicago, Ill.—Fred Ronsley, West-
minster Building.
Rock Island, Ill.—Hembreiker &
Cole, State street.
Indianapolis, Ind.—Lester Benson,
Grand Hotel Building.
Grand Rapids, Mich.—Eli. Cross,
Morton House Block.
Hutchinson, Kan.—John Stamm.
Syracuse, N. Y.—Walt Workman,
151 West Bridge street.

Boston—A light delivery auto be-
longing to the Thomas F. Galvin Com-
pany was run into and completely de-
molished by another automobile on
Beacon street on Thursday of last
week. Three men were on the Galvin
auto and two of them were pretty bad-
ly bruised. It was a miracle that they
were not killed. The other car is said
to have been running on the wrong
side of the street.

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ANDERSON service means fresh, sturdy
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FRANCIS HOWE, Proprietor.

KNOXVILLE NOTES.

Mr. and Mrs. A. H. Dailey are contemplating attending the S. A. F. & O. H. Convention in Boston.

Charles L. Baum is very anxious to get everything in shape before the Convention. He is also preparing his report as State Vice President of the S. A. F.

Addison J. McNutt is rebuilding three houses in which he is using Garland gutters and Advance fittings. He is trying to get through in time to attend the Convention in Boston.

Weather conditions have been more favorable for the past three weeks than anytime this season, and consequently everything has taken a new start, and prospects are much better than before. The florists of this vicinity have been very busy planting of late, but are about through now, and taking the dry season into consideration everything is looking fine.

CINCINNATI NOTES.

Mr. and Mrs. C. E. Critchell spent the week end last week with the Hills at Richmond, Ind.

E. G. Gillett was called to Springfield, O., last Wednesday because of the death of his sister-in-law.

Mr. and Mrs. L. H. Kyrk have signified their intention of attending the S. A. F. & O. H. convention in Boston.

Mrs. P. J. Olinger, who has been at the hospital for a period of twenty-one weeks following an operation is at last recovering and expects to leave that place within the next fortnight.

Hamilton, Ill.—C. P. Lindsey, fruit grower, has extended his business into another field and will add a greenhouse to his place this summer.

F. R. PIERSON CO.

FLORISTS AND PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

Member of Florists' Telegraph Delivery

WASHINGTON NOTES.

Walter Hawley, with Gude Bros. Co., has returned from a visit to New York and New York state points.

George W. Hess and William F. Gude and the latter's two sons, were the guests of John Westcott, at Barnegat Bay, last week.

Appeals have been going forth for subscriptions for the William R. Smith Memorial fund and although it is but about a week since the first letter was mailed, many substantial replies have already been received. It is hoped that the contributions will continue until the fund is of such size that not only the fame of the late Mr. Smith be immortalized, but that the memorial will serve to increase the love for flowers and advance the science as Mr. Smith would wish it to be.

The army worm which has been infesting Washington seems to have disappeared, but an official of the Department of Agriculture who is an authority on this subject, says that it will reappear in the fall. Although the pest seems to be yielding to the frequent treatment of arsenate of lead and other poisonous bait, it is feared that the worms have merely burrowed beneath the surface of the earth preparatory to spinning their cocoons. If this supposition be true, a new invasion of even greater proportions may be expected in the fall, it is stated.

Captain William H. Ernest reports that he has received quite a large number of requests for reservations on the boat which is to carry the Washington and Baltimore florists to the Boston convention. He states, however, that as the time is getting shorter, those who have not as yet signified their intention of joining the party, should do so as soon as possible. It would greatly aid the committee if it could be furnished with all names not later than the evening of the next meeting which is to be held at 1214 F Street, on August 4. From all accounts the bowling team will be in fine form and will probably be on deck at the appointed time.

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We cover the territory between

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Will take care of all your orders for designs or cut flowers.

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**Newport Horticultural
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August 13-14-15

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10,000....\$1.75. 50,000....\$7.50. Sample free
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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI July 20		CHICAGO July 27		BUFFALO July 27		PITTSBURG July 20	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00
" Fancy and Extra.....	12.00	to 15.00	10.00	to 15.00	10.00	to 15.00	12.00	to 18.00
" No. 1.....	8.00	to 10.00	3.00	to 8.00	5.00	to 10.00	.....	to 6.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 6.00	5.00	to 6.00	6.00	to 8.00
Ordinary.....	2.00	to 4.00	1.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	.....	to	5.00	to 6.00	5.00	to 6.00	6.00	to 8.00
Ordinary.....	.....	to	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Maryland, Taft, Extra.....	4.00	to 6.00	5.00	to 8.00	4.00	to 6.00	6.00	to 8.00
Ordinary.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Russell, Shawyer.....	.....	to	4.00	to 20.00	3.00	to 6.00	.....	to
Carnations, Fancy.....	.....	to 2.00	1.50	to 2.00	1.50	to 2.00	.....	to 2.00
Ordinary.....	.....	to	1.50	to 1.50	1.00	to 1.50	.....	to .50
Cattleyas.....	.....	to 25.00	25.00	to 35.00	30.00	to 40.00	50.00	to 60.00
Lilies, Longiflorum.....	3.00	to 1.00	3.00	to 8.00	8.00	to 10.00	6.00	to 8.00
Lily of the Valley.....	.....	to 1.00	2.00	to 4.00	.....	to	3.00	to 4.00
Asters.....	2.00	to 4.00	1.00	to 4.00	1.00	to 3.00	.50	to 2.00
Gladioli.....	2.00	to 6.00	2.00	to 6.00	2.50	to 5.00	2.00	to 6.00
Corn Flower.....	.....	to .15	.....	to .25	.....	to .50	.....	to
Daisies, white and yellow.....	.....	to	10	to .50	.50	to 1.00	.....	to
Sweet Peas.....	.....	to .....	.....	to .....	.20	to .50	.....	to .50
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	to 12.50	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, Strings (100).....	.....	to 50.00	1.00	to 50.00	40.00	to 60.00	.....	to 50.00
" & Spreu. (100 lbs.).....	.....	to 25.00	.....	to 50.00	25.00	to 35.00	30.00	to 40.00

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantsmen and Florists

37 and 39 West 28th St., NEW YORK



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WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

Instead of improving, as **BOSTON** was expected, trade has actually fallen off this week as compared with last week which was itself considered unseasonably dull for this market in mid-summer. The very cool weather may be, in part, to blame as the summer trade of Boston depends upon the activity at the seaside and mountain resorts, very largely. Asters and gladioli are multiplying rapidly and prices are weakened although quality is very good, especially in the gladioli. Carnations still linger in the lap of asters and find very slow favor in the market. They have never held over so long and in such quantity before. As to all other material no change from last week is noticed.

Business was a little **BUFFALO** more encouraging the past few days, and this is due mostly to the supply on indoor flowers, which has shortened up considerable. This applies to roses and carnations. The market receives some good roses and only a few carnations and good sweet peas and this condition has helped the sale of gladioli, which has come in more abundantly. America and Augusta especially have had good sales. Asters are just coming on and what few are seen are not of the best.

Time hangs heavy on the hands of florists these days. A few flowers are sold each day locally and a few are shipped out, but as a whole there is little business. There are occasional days when there will be quite a little stir in trade, only to be followed by such complete stagnation that only by consulting the books can one find that this July is no worse than last. American Beauties are shortening up and prices a little firmer. Asters are convincing growers that it is useless to grow poor ones, as only the best can be sold at any price. Lilies are on every counter, but there is no demand at present. Gladioli are coming in in such quantities that nothing can be done to move them. One wholesaler said he had ten thousand in his store, Tuesday, and he had refused to accept consignments from new growers. Shasta daisies are another good flower that cannot be moved though offered very low. Roses are meeting slow sale; even Mrs. Russell in short lengths do not move. Carnations are up to summer average in quality. Orchids are low in price and share the fate of commoner flowers when customers are lacking. Ferns are \$1.50 per 1,000.

Taken as a whole **CINCINNATI** the market is rather easy. The supply is large and fully able to take care of all demands. Business last week was steady and fair. Prices were not very high because of the large supply. Roses are still more than sufficient for requirements. The larger part of the receipts are short stemmed while but a limited number have any real keeping quantities. The American Beauty cut is large and the flowers are excellent. Longiflorum lilies are fine, but the cut is not quite as large as it was. Auratum and rubrum



GLADIOLI

of better quality and very much better assortment. Plenty of good Whites and Reds, also a limited supply of some of the novelties. Good stems and plenty of foliage far superior to the short cheap stock offered by the nurserymen.

\$1.00 per 100, \$30.00 per 1000.

Our selection in assorted lots of 200 or more, at

\$2.50 per 100, \$20.00 per 1000.

ASTERS

\$1.00, \$1.50 and \$2.00 per 100.

A few extra long at \$3.00 per 100.

EVERYTHING IN RIBBONS We carry one of the largest and most varied stocks of Ribbons pertaining to the florist business of any house in the country. If you have not received one of our new catalogues, advise us and we will mail you one at once.

During July and August we close at 5 P. M.

S. S. Pennock-Meehan Co.

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON July 30		ST. LOUIS July 20		PHILA. July 27	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	6.00	to 12.00	15.00	to 18.00	8.00	to 12.50
" " No. 1	2.00	to 4.00	5.00	to 10.00	2.00	to 6.00
Killarney, Richmond, Extra	3.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" Ordinary	.25	to 2.00	2.00	to 3.00	.50	to 3.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 6.00	5.00	to 6.00	4.00	to 8.00
" Ordinary	.50	to 2.00	3.00	to 4.00	.50	to 3.00
Maryland, Taft, Extra	3.00	to 6.00	4.00	to 6.00	4.00	to 8.00
" Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Russell, Sawyer	3.00	to 12.00	6.00	to 15.00	1.00	to 2.00
Carnations, Fancy	1.00	to 1.50	2.00	to 3.00	.....	to 2.00
" Ordinary	.50	to .75	.75	to 1.00	.....	to 1.00
Cattleyas	15.00	to 30.00	40.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum	4.00	to 6.00	8.00	to 10.00	6.00	to 10.00
Lily of the Valley	2.00	to 3.00	2.00	to 5.00	1.00	to 4.00
Asters	.50	to 1.00	.....	to 1.00	.50	to 2.00
Gladioli	2.00	to 3.00	3.00	to 6.00	1.00	to 3.00
Corn Flower	.....	to .25	.25	to .40	.25	to .50
Daisies, white and yellow	.....	to .50	.75	to 1.00	.....	to 1.00
Sweet Peas	.10	to .25	.20	to .40	.35	to .50
Gardenias	.....	to 1.00	.....	to 1.25	.50	to 1.00
Adiantum	.75	to 1.00	1.00	to 1.25	.50	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (100)	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	25.00	to 35.00

may also be had. Gladioli, if choice, sell, while the others meet with a very slow market. The cut of asters is increasing.

NEW YORK Market conditions are practically unchanged since our last report, except that in some lines stock has shortened up somewhat in quantity. Carnations are still in good demand although asters are coming in plentifully and are bringing about the same figure as the carnations. Roses in good supply—the standard quality selling out fairly well and the little short stemmed sort being unloaded in thousand lots at about hundred price for the former. Taken all in all it would appear that business in the wholesale markets here has been more steady and altogether better than at a corresponding period in any recent year.

PHILADELPHIA There is nothing much to report. Pretty near the doldrum period—little activity in any line. Asters and gladioli continue the

leading features. Roses are of fine quality, but carnations are poor and getting poorer. Orchids are not plentiful, but enough for the light demand. Lily of the valley is very good and holds about as steady as anything, both in receipts and sales. Sweet peas, few and poor. Lilies rather redundant, with demand normal. Delphinium, centaurea, gailardia, coreopsis and other minor items help out in the way of variety to a bald and uninteresting situation.

The market has been **ST. LOUIS** greatly overstocked, but only in the lower grades. In the extra fancy class in roses, we can see only Mrs. Russell and a few long Beauties. There is an over abundance of Killarney in all varieties. The fancy Russells bring top prices. Gladioli are in good abundance and variety. These have come down in price on all except fancy America, King and Augusta. Carnations are small and short in stems. The other stocks at the market are

Continued on Page 154

H. E. FROMENT

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Choice Cut Flowers,
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Wholesale Commission Florists
55 and 57 West 26th Street
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Madison Square **New York**

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107 W. 28th Street, NEW YORK

Call and inspect the Best Establishment
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CONSIGNMENTS SOLICITED
PHONE { 608 } MADISON SQ., NEW YORK
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JOHN YOUNG

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Consignments Solicited
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Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorating Evergreens.
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Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
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WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
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FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

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WHOLESALE FLORIST
24 Stone St., Rochester, N. Y.

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

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THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
—SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US—
Prices Right. Consignments Solicited. Telephone Connection

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 789 Mad Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 25 1914		First Half of Week beginning July 27 1914	
American Beauty, Special	12.00	to 15.00	12.00	to 15.00
" " Fancy and Extra	8.00	to 10.00	8.00	to 10.00
" " No. 1	1.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Maryland, Taft, Extra	2.00	to 6.00	2.00	to 6.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Russell, Sawyer	6.00	to 10.00	6.00	to 10.00
Carnations, Fancy Grade	1.00	to 1.50	1.00	to 2.00
" " Ordinary .....	.50	to 1.00	.50	to 1.00

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

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Telephone 7062 Madison

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WHOLESALE FLORISTS, 34 West 28th St., New York
Telephones { 1664 } Madison Square
1665 } CONSIGNMENTS SOLICITED

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.
Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD
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Ample reference furnished as to standing and financial ability of the company
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131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited



Established 1887. Still Going Strong.

J. K. ALLEN

OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
106 WEST 28TH ST., NEW YORK.
Opens 6 A. M. daily.
Telephone, 167 and 4468 Mad. Sq.

Flower Market Reports

(Continued on page 153)

made up of asters, lilies, Shasta daisies.

"Watchful waiting"

WASHINGTON is now the order of the day in the National Capital for there is very little doing in the flower market. Sales are extremely slow and were it not for the funeral work which continues to come in considerable volume, everyone could take a vacation. As it is, quite a few of the clerks are now enjoying their annual vacations. Gladioli are moving in moderate quantities at average prices. No one seems to want roses in any great number, while such flowers as orchids and gardenias are in little or no demand. It has been several weeks since the market has been cleaned up on any one day and little change is expected until the fall. It is now uncomfortably warm and the florists are looking forward to the cooling trip to the Boston convention by sea.

PERSONAL.

Mr. and Mrs. Thomas Capers of Wellesley, Mass., will sail for a visit to England on August 4.

J. H., Playdon, of Andover, Mass., will close his store in the Arch Building during the month of August and will rusticate in Nova Scotia.

Arthur Kirchhoff, florist for the State Institution for the Blind at Batavia, N. Y. is spending his vacation visiting in Boston and neighborhood.

Walter Miller, formerly with A. N. Pierson, Cromwell, Ct., has accepted the position of head gardener on the estate of Dr. Williams, Prospect street, Hartford, Ct.

S. D. Dysinger, of Holm & Olson's, St. Paul, Minn., and Mrs. Mary M. Chalmers were married recently. They will be at home at 176 Summit avenue after August 1.

Samuel Batchelor, gardener for twelve years at Crosswicks Farms, Jenkintown, Pa., is now manager of Tahoma, estate of Frank C. Littleton, Mamaroneck, N. Y.

A post card from James McHutchison locates that lively New Yorker at Nagasaki, Japan, from whence he sends greetings and says he is enjoying that interesting place.

Edgar Elvin, formerly a contributor of interesting articles to the columns of HORTICULTURE has opened a new flower plant and seed establishment at 255 High Road, Chiswick, London, England.

NEW CORPORATIONS.

Tenafly, N. J.—Kenwood Greenhouses, capital stock, \$90,000. Incorporators, P. F. and J. E. Burton, R. V. Daly.

Geneva, N. Y.—M. S. Harman Nursery Co., capital stock, \$20,000. Incorporators, T. C. Carson, Milton A. Harman and T. I. Smith.

Longmeadow, R. I.—Maplehurst Greenhouses, capital stock, \$50,000. Incorporators, Wm. C. and Stuart G. Pratt and Chas. E. Cannon.

New York City.—L. J. Kreshover has purchased the building, 129 West 28th street, which the Growers' Cut Flower Company have leased for a term of years.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending July 25 1914		First Half of Week beginning July 27 1914	
Cattleyas.....	35.00	to 50.00	5.00	to 50.00
Lilies, Longiflorum.....	2.00	to 3.00	2.00	to 3.00
" Rubrum.....	3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	2.00	to 3.00	1.00	to 3.00
Asters.....	..	to 1.00	..	to 1.00
Gladioli.....	2.00	to 3.00	2.00	to 3.00
Corn Flower.....	..	to .50	..	to .25
Daisies, white and yellow.....	..	to .50	..	to .70
Sweet Peas (per 100 bunches).....	1.00	to 5.00	1.00	to 5.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	25.00	to 35.00
& Spreng (100 bunches).....	15.00	to 20.00	15.00	to 20.00

CHICAGO NOTES.

Miss G. Lewis of J. Mangel's leaves for a Northern trip August 1.

Mr. and Mrs. Frank Oechslein are spending some of the dull weeks in Colorado.

A. Lange has returned from a week's trip to Michigan and will leave soon for another.

Wm. J. Keimmel of Wendland & Keimmel, rose growers of Elmhurst, Ill., and P. J. Foley indulged in a few days' fishing at Lake Geneva, Wis.

The sympathy of the trade is extended to Jos. Igler, of Frank Oechslein's force, in the loss of his wife, aged 23 years, on July 24. She leaves two small children.

The Budlong and Schupp families are occupying their cottage at William's Bay, Wis., and Phil. Schupp takes his vacation in week end trips to that beautiful resort.

Harry Rowe has a letter from his brother in Seattle, Wash., which says that florists there are doing little business this month. Chicago florists know how to sympathize with them.

Mr. and Mrs. C. L. Washburn leave August 3, for a visit to E. B. Washburn at Pasadena, Cal. Mr. Washburn is a regular attendant at the S. A. F. Conventions and will be missed this year.

John Michaelson and E. C. Amling and families have made automobile tours through Wisconsin, the former returning to Chicago and the latter going farther North and West, returning through Iowa.

Mr. and Mrs. Albert Cole, of the Columbia Flower Shop, 3101 Washash Ave., dropped business for a belated wedding trip, which included Toronto, the St. Lawrence and Quebec. Mr. Cole spent much of his boyhood in Montreal.

Among those spending vacations in this city is John H. Holden, who was in business here about nine years ago. He now has charge of the park and cemetery at Rensselaer, Ind., and expects to build more greenhouses this fall.

"Flowers for all occasions" is a favorite advertising phrase in Chicago, but it took on new meaning when the "occasion" was the opening of a store at 23 S. Wabash avenue, where flowers are sold for the benefit of the suffrage cause.

The Lake Shore Horticultural Society announces its first Horticultural Show to be given at Winnetka, Ill., August 6, 1914. Copies of the premium list may be had upon application to the secretary Edward Boulter, Winnetka, Ill.

Mrs. M. Buckholz of The Windmill Co., Mankato, Minn., is getting pointers on the best methods of constructing a new range of greenhouses by a tour of inspection in Chicago. She is disposing of her interest in the Windmill Co. and the new range will be built at Aberdeen, S. D.

J. J. Marsh announces that he is now sole proprietor of the Farmers' & Florists' Fertilizer Co., the other members, F. S. Markey and Wm. J. Downey having withdrawn on May 10th. Mr. Marsh has now a fine suite of offices at 809 Exchange avenue, Union Stock Yards. Send orders to Room 4, where they will receive prompt attention.

A. L. Vaughan has returned from a week's visit with his brother in Alabama. He found the South very dry in more ways than one, but says he has no doubt it means the ultimate good of that part of the country. In States that have adjusted themselves to the change, he reports business good and less difficulty in securing labor in cotton picking times, etc. Florists were having a dull summer but expect nothing else.

Phil. Schupp, of the firm of J. A. Budlong, is convinced that the Chicago market has need of more roses and especially of well-grown ones. His firm, one of the pioneers of the wholesale growers of Chicago, will this season diminish its output of carnations and increase its supply of roses. Among the varieties grown extensively will be Sunburst, Ward, Killarney Brilliant and Ophelia. Of Killarney Brilliant, Mr. Schupp says he regards the color as too harsh to make it a favorite when pink Killarney is at its best. It is too early yet to judge the merits of Ophelia at his houses, but he expects that later in the season, when it develops fragrance, it will be popular.

There are no signs of mid-summer at the factory of the Foley Greenhouse Manufacturing Co., nor any vacations in sight, for every wheel is humming. The colleges of three states, Illinois, Indiana and Iowa have all placed their orders for greenhouses with this company. The Botanical Department of the University of Illinois at Urbana, is adding one house 21 feet 4 inches by 252 feet, divided into eleven compartments. At Purdue, Ind., there will be four houses 37 feet, 4 inches by 100 feet, and one cross-house 15 feet by 107 feet 8 inches, while a shipment of material is already on its way to Ames, Ia., for ten houses. There will be a curved roof palm house, two curved roof wings, and other houses, all structures of the latest type of construction.

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August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
ROEHR'S CO., Rutherford, N. J.

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Md.

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Alonzo J. Bryan, Washington, N. J.
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BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

Park Floral Co., Denver, Colo.

BEGONIAS Lorraine, Cincinnati and
Florence Davenport, 2 1/4 in. pots. De-
livery from May 15th. JULIUS ROEHR'S
CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
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Hitchings & Co., New York City.
For page see List of Advertisers.

King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

BOXES—CUT FLOWER FOLDING
Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on
demand. JULIUS ROEHR'S CO., Ruther-
ford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
German Iris and Lilliums Henryl and
Tenuifolium.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

Magnum Bonum Nursery, Holland, Mich.
Calla Bulbs.

CAMELLIAS

Thousands of plants from 6 in.-9 in. pots,
covered with flowering buds in many
varieties. JULIUS ROEHR'S CO., Ruther-
ford, N. J.

CANE

Wm. Elliott & Sons, New York City.
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Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Leo Niessen Co., Philadelphia, Pa.
Field Grown Carnation Plants.
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FIELD GROWN CARNATIONS

Ready Now.
Best stock we have ever had of the
Novelties and Standards.
Write for prices.

CHARLES H. TOTTY, MADISON, N. J.

CARNATION STAPLE

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 2000 for \$1.00 post paid. I. L.
PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
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Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemum Novelties for 1914.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CONVENTION HOTEL ACCOMMODATIONS

Hotel Nottingham, Boston, Mass.
For page see List of Advertisers.

Hotel Victoria, Boston, Mass.
For page see List of Advertisers.

Hotel Puritan, Boston, Mass.

Hotel Brunswick, Boston, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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Park Floral Co., Denver, Colo.

CYCLAMENS from 3 in. pots. Finest
strain. Separate colors. JULIUS ROEHR'S
CO., Rutherford, N. J.

Cyclamen, best German strain, in fine
assorted colors; good stock out of 2 1/4 in.
pots at \$5.00 per 100. J. H. FLESSEER,
North Bergen, N. J.

DAHLIAS

Dahlias at greatly reduced prices for
1914. Send for wholesale list. Order early.
J. L. MOORE, Northboro, Mass.

Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

FERNS

McHutchison & Co., New York City.
Ferns in Flats.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Ernest Oechslein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

For List of Advertisers See Page 135

FERTILIZERS

10th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Sanderson Fertilizer and Chemical Co.,
New Haven, Conn.
South American Sheep and Goat Manure.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
Wedding Accessories.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Geraniums, La Favorite, Perkins, Jean Oberle, Ricard, Landry, Col. Thomas, Dagata, Vlaud, \$2.00 per 100, \$18.50 per 1000. Clair Frenot, Luigi Grandi, Mrs. E. G. Hill, Poitevine, Mrs. Annie Vincent, \$2.50 per 100, \$20.00 per 1000. Ruby \$4.00 per 100. S. A. Nutt at the special price of \$1.75 per 100, \$16.00 per 1000. The above is all fine stock in two inch pots. Write for Catalogue, F. H. DEWITT & COMPANY, Wooster, Ohio.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. **JOHN-STON GLASS CO.**, Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. **FRANKLIN BARRETT**, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

Gillen & Baumgartel, Chicago, Ill.
Greenhouse Painting, Glazing and Building.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.

Hitchings & Co., New York City.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hail Assn. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. **GEO. L. MUNROE & SONS**, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Hammond Slug Shot Works, Beacon, N. Y.
Hammond's Grape Dust.

IRIS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

THE IRIS! THE IRIS!

200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per 20. Some of the finest on earth. Send 10 cents for Iris manual. **C. S. HARRISON SELECT NURSERY**, York, Nebr.

JERUSALEM CHERRIES

Jerusalem Cherry, out of 2 1/2 in. pots at \$3.00 per 100. **J. H. FIESSER**, North Bergen, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.

In writing to Advertisers kindly mention Horticulture

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MID-SUMMER EXHIBITION.

Newport Garden Club and Newport
Horticultural Society, Newport, R. I.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville,
Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louis-
ville, Ky.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

PALMS, ETC.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PANSY SEED

Henry F. Michell Co., Philadelphia, Pa.
Giant Prize Pansy Seed.
For page see List of Advertisers.

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

A. T. Boddington, New York City
Gigantic Pansy Seed.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
New Crop Pansy Seed.
For page see List of Advertisers.

PEONIES.

S. G. Harris, Tarrytown, N. Y.
For page see List of Advertisers.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Special-
ist, Chenonceaux, France.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHR'S CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company.
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POINSETTIAS

A Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Poinsettias. These plants have been
propagated from stock that produced
bracts from 16 to 22 inches, they are the
true vermilion red, extra strong and
thoroughly rooted so as to carry any-
where. 2½ inch standard pots, \$5.00 per
100, \$45.00 per 1000. CARLMAN RIBSAM,
31 Wall St., Trenton, N. J.

PRIMULAS

Park Floral Co., Denver, Colo.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

F. R. Plerson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

ROSES—Continued

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Plerson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Gude Bros. Co., Washington, D. C.
Pink and White Killarney Rose Plants.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Mignonette Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Mignonette and Pansy Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford,
Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and
orchid basket always on hand. LAGER
& HURRELL, Summit, N. J.

For List of Advertisers See Page 135

STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

STRAWBERRY PLANTS

Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

Weeber & Don, New York City.
Pot-Grown.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VEGETABLE PLANTS

Celery Plants, Golden Self-Blanching (French Strain), fine plants, ready now, \$2.00 per 1000. Cash. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. **HOLTEN & HUNKEL CO.**, Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued
Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**ACCOMMODATIONS FOR CONVENTION VISITORS.**

Martin & Gillies, Brookline, Mass.
For page see List of Advertisers.

LILIUM HARRISH.

F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

PANSY SEED.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

POEHLMANN'S 'MUMS.

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

PRIMULA MALACOIDES.

A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

RETIRING FROM BUSINESS

AUGUST MILLANG wishes to sell his Old Established business, 57 Stuyvesant Ave., cor. Pulach St., Brooklyn, N. Y. Store, two greenhouses and garage. Will sell cheap. Rent reasonable.

FLORIST ESTABLISHMENT FOR SALE

In town thirty miles from Philadelphia, seven thousand inhabitants, no competition. First class dwelling house with all modern improvements, three greenhouses, 30x150. An excellent opportunity for the right party. Will sell at a sacrifice. For further particulars apply "C. S. G." care **GEO. C. WATSON**, 539 Market St., Philadelphia.

FOR SALE—Large place in New Jersey, near New York City; 30,000 feet of glass, large dwelling and furniture, barn, horses, and automobile; well established business, local and wholesale; also large landscape business. Place is near trolley and railroad, and is in first class condition, all up-to-date improvements. Price very reasonable; owner must sell at once, going west. Particulars **CHAS. MILLANG**, 55 W. 26 St., New York City.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHEL-SKY BROS., INC.**, 215-217 Have-meyer St., Brooklyn, N. Y.

FOR SALE—Greenhouse, 250 feet long, two years old, with dwelling house, five rooms, six acres land, 19 miles from Boston. \$2,500, on very easy terms. Address, **J. B. L. BARTLETT**, 294 Washington St., Room 605, Boston.

FOR SALE—Florist refrigerator and also cash register made especially for the florist business. For sale cheap. **OSGOOD BROS.**, 287 Elm St., Everett, Mass.

HELP WANTED

WANTED—A single, all around greenhouse man, inside and outside, one used to violets. **E. BINGHAM**, Pine St., Dedham, Mass.

SITUATIONS WANTED

SITUATION WANTED by Englishman as superintendent on private estate, manager in good Commercial place, or head in Botanical establishment. First-class certificate in botany and horticulture. Excellent references as to ability and character. Married. Age 37. Apply **HORTUS**, care Horticulture, 11 Hamilton Place, Boston, Mass.

FOR RENT

FOR RENT—Greenhouse range, six houses about 10,000 sq. ft. of glass, with store and sheds attached, in very favorable retail location. Write for particulars, giving references as to financial responsibility, character, etc. **CURRIE BROS. CO.**, Milwaukee, Wis.

MISCELLANEOUS

WANTED TO BUY OR LEASE commercial greenhouse plant, modern construction, within twenty miles or so of Boston. Write description and terms to "W. T." care HORTICULTURE.

In writing to Advertisers kindly mention Horticulture

During Recess

Minnesota State Florists.

Members of this Association and their friends to the number of 400 held a picnic at Red Wing on Friday, July 17.

Chicago Florists' Club.

The annual picnic of the Chicago Florists' Club is generally conceded to have been the best ever held in the history of the club. Members and their friends are estimated to have numbered from five hundred up, but as admission to the picnic grounds was without tickets no absolute record could be kept of the attendance. Every train to Morton Grove, where the picnic was held in St. Paul's Park, brought pleasure seekers who were welcomed by a German band, playfully called The Hungry Five, while a large proportion arrived in automobiles. An orchestra and dancing provided entertainment and the usual sports for the children kept all interested.

Buffalo Florists' Club Outing.

The annual outing was booked for the 23rd of July. Unfortunately rain set in which continued up to 3 P. M. This of course checked the record-breaker attendance which was looked for. About 65 turned out. The boat left at 2.30 and upon reaching the island the rain had ceased and the grounds were drying up fast, so the afternoon's athletic events were not marred to any extent. The program was a long one and the ball game of course had to be cut short although five innings were played and won by the east side team.

After the games were run off dinner was served in the grand dining room of the Hotel Bedel, where the tables were decorated neatly by the boys of the retail stores and the president and others were heard from in brief remarks.

Bowling and dancing followed the banquet. The committee in charge had done everything in their power to make this a success, but the weather was a disappointment to all.

St. Louis Florists' Picnic.

The long looked for picnic given by the St. Louis Florists' Club took place on Wednesday, July 22d, at Ramona Park and attracted nearly four hundred. The day was very hot and the grounds in very poor condition owing to the continued dry weather. The crowd was larger than usual and by far more sociable than any picnic in previous years. One pleasing feature was the large attendance of suburban florists with their families. The wholesalers and some of the retailers closed half a day and the members hope this will become general next year for all.

The games started at 2.30 P. M. and great interest was manifested as all contained large entries especially in the lady classes. The baseball game followed between a team of retailers and one of wholesalers. Rooters for both teams were out in full force and the umpires, Bob Newcomb of Chicago and Frank Gorley, had their hands full keeping back the crowd when the wholesalers had the retailers 4 to 0 in the third inning. In the fourth, though, the retailers counted eight

runs, when their rooters broke loose and the game had to be stopped to clear the field and the final score was 8 to 5 in favor of the retail team.

The results of all the games during the day were as follows:

75-yard dash for men: 1st, K. Pyle; 2d, O. Ruff. Backward walk: 1st, Gus Hartmann; 2d, W. A. Rowe. Flag race for little girls: 1st, Marie Dahm; 2d, Virgie Cerney. 25-yard race for young ladies: 1st, Miss Ogle; 2d, Maude Basham. Ball scramble for small boys: 1st, Erwin Hoffman; 2d, Gussie Cerney. Pot-throwing contest for ladies: 1st, Jessie Sanders; 2d, Mrs. Baumgarten. Doughnut-eating contest for small boys: 1st, A. Flanagan; 2d, Julius Hecht. Peanut race for small girls: 1st, Linda Hecht; 2d, Jessie Tayter. Ball-throwing for married ladies: 1st, Mrs. Kinzel; 2d, Mrs. W. A. Rowe. Needle-threading contest: 1st, Laura Sanders; 2d, Miss Erlinger. Hop-step-and-jump for young men: 1st, Oscar Ruff; 2d, R. Holm. Seed guessing contest: 1st, Julius Hecht; 2d, A. Jablonsky, Jr. These prizes were offered by the St. Louis Seed Co. and the Schister-Cornell Seed Co. Paddy Patton's chicken race created a great amount of fun. R. Holm was the lucky man after a hard chase with nearly fifty men trailing him. The tug-of-war for ladies proved exciting. The winners received a large box of candy each, the losers a small box. The tug-of-war for men as usual caused great rivalry between the growers and retailers. This time the retail team of Mr. Bergesterman won from Joe Hauser's team.

Bobbink & Atkins' Lawn Party.

There was a large and happy gathering—about 200 altogether—at Ruthersford, N. J., on Saturday evening, July 25, of the office force and their many friends. All the requisites for a delightful summer evening entertainment were provided. In the course of the evening the following original verses composed by a friend of the firm were read by Mr. Atkins' brother:

Of all the letters in the list,
To you I safely say,
No other two, so much appear
As these two, "B" and "A".

Note that they take their proper place
As "leaders" in the fray,
In fact, there'd be no alphabet
Without the "B" and "A".

"B" stands for beauty, bravery
And boundless generosity,
And Bobbink fills the bill for each
With wonderful precocity.

I've watched him through the changing
years,

His endless pertinacity,
His cheery smile, his gentle guile,
His sticking for veracity.

"A" stands for true aggressiveness,
That never knows defeat,
And a long list of accomplishments
"Were very hard to beat.

Activity persistent, and
A limitless ambition,
With every venture "on the square"
And consequent fruition.

You know him well, and love him, well
Enough to call him "Fred,"
But "A" will stand for "Atkins," here
Long after we are dead.

May length of days and grand success,
Continue in their train;
May these reunions sweet, be yours
Again, and yet again!

And when life's journey ends,—from now
A hundred years, or more,
And we at garden parties meet
Upon the other shore,
Let's all demand; if Peter has
Desire to have us stay,
That we have our heavenly mansions
Very close to "B" and "A".

Philadelphia—The Michell annual outing is scheduled for August 8th. A general invitation has been sent out to the customers and friends of the company, and judging from the attendance at last year's affair, this one will doubtless be a record breaker. Special train will leave Broad Street Station at 1.03 P. M.



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can...\$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

FARMERS AND FLORISTS FERTILIZER CO.

409 Exchange Ave., Rm. 15. Tel. Yards 842.
U. S. YARDS, CHICAGO, ILL.

PLANTLIFE

PLANTLIFE has several advantages over liquid insecticides on the market. Containing refined tobacco dust it can be used to mix with the soil, acting as an excellent fertilizer, at the same time destroying worms and insects in the ground before they have a chance to reach the plant.

PLANTLIFE has been found very effective in ridding greenhouses of insects by dusting on plants. When dry, use for dusting about once a week.

Put up in bulk for greenhouse men;
in packages for retail trade.

Bag of 100 lbs. \$3.50.

Let us quote you prices in quantity.

**The Plantlife Company, 251 East 66th Street
NEW YORK, N.Y.**

Gloversville, N. Y.—Twenty men from the State agricultural department are in this city to fight the grasshoppers in Fulton county. They brought with them spraying machines and other necessary materials to wage a successful warfare upon the pests. Commissioner Huson says that the only way to destroy the pest is a wholesale distribution of poison mixture. He says this may destroy some of the birds which war upon grasshoppers, but that it can not be helped. He advises all farmers to keep their chickens and other poultry in their quarters while the poison is being distributed.

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING-VAPORIZING-FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

1000 TONS OF OUR SOUTH AMERICAN SHEEP AND GOAT MANURE

now in our warehouses, together with 1000 tons more now ordered from South America, will not begin to fill the demand for it once the Florists get to know this stuff.

ONE LOOK TOUCH SMELL

of this article tells a Florist instantly that this is

Pure Sheep and Goat Manure

better than any he has ever run across before. There is absolutely no straw, dirt, sand or foreign substance of any kind in it.

Wherever we have filled an order so far we have always received several more from the same neighborhood.

For top dressing any crop, for mixing with the soil or for making an ideal manure water, there is no purer, safer or more economical article to be had.

SANDERSON FERTILIZER & CHEMICAL COMPANY

Sole Importers and Distributors for New England

NEW HAVEN, CONNECTICUT



NIKOTEEN 30 Per Cent Strength **For Spraying**

APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$2.75 per 112 lbs.; \$12.50 per 560 lbs.

Stumpp & Walter Co.
30-32 Barclay Street, NEW YORK

Cocoanut Fibre Soil

This is the Real Nature's Humus. Put it on your lawn this spring. Don't let it burn up, or stand all summer hose in hand.

Order now in 100 lb. bags.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.



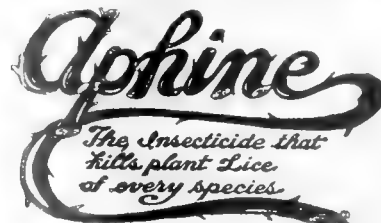
IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write
EASTERN CHEMICAL CO., BOSTON

The annual flower show of the Lenox (Mass.) Horticultural Society, was held on July 22-23. Sweet peas, garden annuals and perennials, asters and roses predominated. The vegetables and grapes were, as always, very fine. Edwin Jenkins, gard. at Bellefontaine Gardens, won first in seventeen sweet pea classes.



The Recognized Standard Insecticide
For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$1.00 per quart—\$2.50 per gallon.

FUNGINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

75c. per quart—\$2.00 per gallon.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$1.00 per quart—\$3.00 per gallon.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

75c. per quart—\$1.50 per gallon.

All the above products are readily soluble in water at proportions directed on cans and are used as spraying materials.

NIKOTIANA

A 12% nicotine solution for fumigating and vaporizing.

\$1.50 per quart—\$1.50 per gallon.

Manufactured by

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals
MADISON, N. J.



Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.Visit our extensive exhibit at Mechanics Hall and Convention Garden, Boston,
During S. A. F. and O. H. Convention**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Bristol, R. I.—Kinder Bros., enlarging.
Elgin, Ill.—D. F. Harrison, vegetable house.
Syracuse, N. Y.—Fred Penfold, one house.
Hamilton, Ill.—C. P. Lindsey, one house.
Evanston, Ill.—Mathew Weiland, six houses.
Dunmore, Pa.—T. B. McClintock, additions.
Brooklawn, N. Y.—Julius Reck, addition 25x50.
Lafayette, Ind.—Purdue University, service house.
North Taunton, Mass.—A. R. Field, 60 feet addition.
Mayfield, Ill.—W. H. Gullett & Sons, range of houses.
Aberdeen, S. D.—Mrs. M. Buckholz, range of houses.
St. Joseph, Mo.—O. L. Schmaltz, range of houses.
Rensselaer, Ind.—J. H. Holden, range of houses.
Waltham, Mass.—Mt. Feake Cemetery, one house.
Kalamazoo, Mich.—Park Department, one house.
Moosic, Pa.—Wm. MacDonald, three houses each 28x100.
Naperville, Ill.—Chas. Rohr, additions and alterations.
Wyomissing, Pa.—Lee Arnold, additions and alterations.
Waterbury, Ct.—Ralph Delio, Hamden avenue, one house.
Pt. Elgin, Nova Scotia—J. Magee, Lord & Burnham house.
Baltimore, Md.—St. Joseph's House of Industry, house 12x68.
Deerfield, N. Y.—E. T. Hermant & Son, rebuilding two houses.
Brielle, N. J.—Newman & Legg, range of Lord & Burnham houses.
Windsor, Nova Scotia.—E. Shand, range of Lord & Burnham houses.
Kewanee, Ill.—Hamilton & Plummer, East Third street, additions and alterations.
Revere, Mass.—Thomas Roland, house 76x650. Lord & Burnham Co. have the contract.
Chattanooga, Tenn.—Forest Hills Cemetery, two Lord & Burnham houses, each 28x90.
Utica, N. Y.—C. F. Baker & Son, Cornelia street, rebuilding and enlarging; Chas. Pool, Holland avenue, one house.
Stamford, Ct.—J. B. Cobb, Strawberry Hill, house 34x149 and palm house 25x45. Lord & Burnham construction.
South Chattanooga, Tenn.—Chattanooga Floral Co., two houses; Fred Hagley, three Lord & Burnham houses, each 28x151.

VISITORS' REGISTER.

Cincinnati—Mr. and Mrs. Myer Heller, New Castle, Ind.
Washington, D. C.—Robert Shoch, representing Rice Co., Philadelphia.
Philadelphia—Miss Hellenenthal, Hellenenthal Floral Co., Columbus, O.; E. H. White, Hammonton, N. J.; W. F. Gude, and Mr. Hess, Dept. of Agri., Washington, D. C.
Chicago—P. H. Schafer, Kankakee, Ill.; S. Reimington, Kankakee, Ill.; Miss Fannie White, Lexington, Ky.; Mrs. Lillian Mohler of Davis Floral Co., Pine Bluff, Ark.; Mr. Graves, Bloomington Cemetery Co., Bloomington, Ill.; H. Balsley, Detroit Flower Pot Co., Detroit, Mich.; H. Bornhoft, with Gullet & Sons, Lincoln, Neb.; John H. Holden, Rensselaer, Ind.; Mr. and Mrs. Edward Amerpohl, Janesville, Wis.; Frank Farney, representing M. Rice & Co., Philadelphia; Mrs. R. L. Van Nice, Waukon, Ia.; Chas. Balluf, Indianapolis, Ind.; Mrs. M. Buckholz, of The Windmill Co., Mankota, Minn.; Samuel Seligman, representing Wertheimer Bros., New York; C. P. Lindsey, Hamilton, Ill.; O. L. Schmaltz, St. Joseph, Mo.; Mr. and Mrs. Thomas, of Bertermann's, Indianapolis, Ind.; Mr. and Mrs. Glaser, Dubuque, Ia.; W. C. Johnson, Crookston, Minn.; M. Feninger, Toledo, O.; Fred Rentschler, Madison, Wis.

NEWS NOTES.

Syracuse, N. Y.—Fred Penfold has bought the greenhouses of N. Feeley.
Johnston, N. Y.—C. H. Hamre has bought out the Larcombe greenhouses at Jansen street and Prindle avenue.
Charlotte, Mich.—Mrs. Wm. Breitmeyer has sold the Roseacres greenhouses to Ray A. Weitzke of Owosso.
Chatsworth, Ill.—William Edwards of Freeport has purchased the greenhouse and florist business of Thomas Pepperdine.
Pittsfield, Mass.—Snow-balling on the 29th of July was the sport indulged in by small boys at noon following one of the most severe hail storms that ever passed over the city. The hail fell very fast and on the lawns and roads it looked as though there had been a heavy snow storm. In the vicinity of the city hall, where the hail gathered on the roofs and then slid to the ground, the snow was piled over a foot deep. Leaves were clipped from trees and from the outskirts of the city came many reports of damage to crops.

PATENTS GRANTED.

1,103,773. Greenhouse Construction.
Maurice I. Jacobs, Brooklyn, N. Y.

Obituary

Alexander McKerichar.

Alexander McKerichar, one of the oldest of Washington, D. C., gardeners, passed away on Sunday last after an illness of but one week. Born in Perthshire, Scotland, eighty-three years ago, his first entrance into the business was as an apprenticed gardener at the gardens of the Duke of Athole, at Dunkeld in 1847. In 1851 he crossed the water and entered the employ of Robert Steele at Winchester, Va., as nursery foreman. He came to Washington in 1854 and entered the employ of the Government at the United States Botanic Gardens, serving first under William Breckinridge and later under the late William R. Smith, remaining in this position until June 1855, when he was appointed foreman of the gardens of the President. In May 1875, he engaged in the nursery and florist business in Alexandria, Va., continuing in this business until February, 1881, when he accepted the position of superintendent of Glenwood Cemetery, which position he held until his death. He is survived by three daughters and two sons. Death came as a result of a general breakdown brought about by the present hot weather and probably by grief at the death of his brother recently in Wroxeter, Canada.

**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 "	" 4.88	450 4 1/2 "	" 5.24
1500 2 1/4 "	" 5.25	320 5 "	" 4.51
1500 2 1/2 "	" 6.00	210 5 1/2 "	" 3.78
1000 3 "	" 5.00	144 6 "	" 3.16
800 3 1/2 "	" 5.80	120 7 "	" 4.20
		60 8 "	" 3.00

HILFINGER BROS. 'Pottery, Fort Edward, N.Y.August Rolker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade Export

The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

**—STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

— 28th & M Sts. Washington, D. C.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

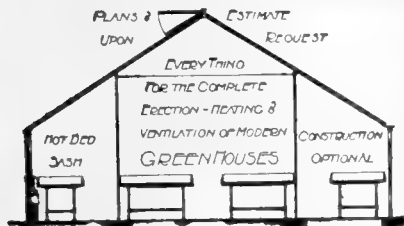
KING GREENHOUSES

Are supplied in 3 different Iron Frame Types; also in the Semi Iron or Pipe Frame styles, so we can offer you a strong, practical Sunny House at the price you can afford to pay.

Write us today—just tell us what you want and we will do the rest.

KING CONSTRUCTION CO.

28 King's Road, North Tonawanda, N.Y.

*All the Sunlight All Day House***S. JACOBS & SONS**

1359-1385 Flushing Ave.

BROOKLYN, - - - N. Y.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
114 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2**DREER'S**

Florist Specialties. New Brand. New Style. Hose "RIVERTON" Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.

Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

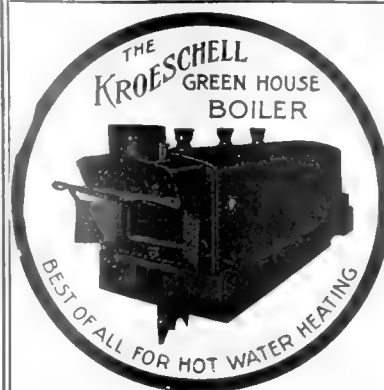
CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER
GREENHOUSES
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

THE FLORISTS' HALL ASSOCIATION OF AMERICA, insurer of 39,000,000 sq. ft. of glass
For particulars address
John G. Esler, Sec'y Saddle River, N.J.

WHEN YOU BUY—GET A KROESCHELL
THE BOILER OF GENUINE EFFICIENCY



Expressions from Men Who Know Boilers

Kroeschell Replaces Cast Iron Boilers

The range of C. Peterson & Son, at Escanaba, Mich., was formerly heated by cast iron boilers. Last season this firm installed their first Kroeschell, a No. 6, which is now heating 13,000 to 14,000 sq. ft. of glass. They state that they fire these boilers three to four times during the night in zero weather. Under date of June 28, 1913, they write as follows:

"The Kroeschell Boiler has given better satisfaction than any other boiler we have ever had. For years we have fired many different boilers, and really never could get one that we might say was entirely satisfactory—there was always something wrong—but now since we have tried the Kroeschell, we have solved our boiler proposition. We have a () cast iron sectional boiler here, only used two years, and we wish we could get rid of it and put in another Kroeschell in its place." (Signed)

C. PETERSON & SON,
Escanaba, Mich., June 28, 1913.

— BUY DIRECT —
FACTORY TO USER PRICES

Kroeschell Bros. Co.

466 W. Erie Street CHICAGO

PATENTS

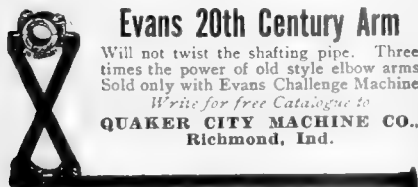
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Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

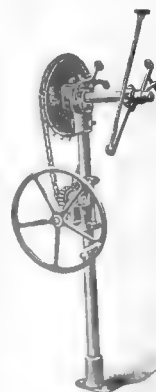
Box 9, National Union Building
Washington, D. C.

**Evans 20th Century Arm**

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

QUAKER CITY MACHINE CO.
Richmond, Ind.



"It means Money to your pocket to let us quote you on Ventilating apparatus and Greenhouse fittings. Send for catalogue today."

ADVANCE CO.
Richmond, - Ind.

FOLEY

Builds Good Greenhouses

TRY HIM.

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street
CHICAGO, ILL.

Putting Things Off

ALL through the months of January and February each year, every day's mail brings inquiries from growers who are "thinking of building." About 75% of the number just keep on "thinking." The other 25% turn their thinks into action and make something happen.

We have already completed a lot of houses for some of our customers. But there are several of them who are not "Put-offers," who, for various rea-

sons entirely beyond their control, were not able to build early.

To such of you, we can offer right now an unusual service in both speed of delivery of materials and erection. We can turn out a completed job quicker than ever. Of course, this is a statement any concern can make. But the things that Hitchings say in their ads. are like Hitchings houses—you can depend on depending on them.



Interior of a house 38 feet wide. It is our Reconstructed Construction. The one with rafters spaced 12 feet 4 inches apart, instead of 8 feet 4 inches, and 20 inch glass used instead of 16. There are a third less rafters; a third less columns.

Hitchings and Company

NEW YORK
1170 Broadway

BOSTON
49 Federal Street

PHILADELPHIA
40 S. 15th Street

General Offices and Factory: Elizabeth, N. J.

Vol. XX
No. 6
AUGUST 8,
1914

HORTICULTURE



The New F. R. Pierson Building at Tarrytown, N. Y.

Published Every Saturday at 11 Hamilton Place, Boston, Mass.
Subscription, \$1.00.

POEHLMANN'S 'MUMS

2½ inch Pompons and Standards now reduced for quick and

FINAL CLEARANCE

200,000 late propagated extra fine healthy stock all varieties listed by us

\$2.20 per 100; \$20.00 per 1000

TRY OUR 'MUMS and be convinced that our choice commercial varieties are the ones that will bring you the largest returns for the amount invested. We have a fine healthy lot of nice soft plants in splendid growing condition, but we need more room and in order to move this stock quickly we are making **A BIG REDUCTION IN PRICES**. You can now buy any variety listed by us, Pompons or Standards, for \$20.00 per 1000—a direct saving of from 25 per cent. to 75 per cent. on our regular prices. Better hurry your order as this stock will not last long at these **SPECIAL PRICES**. Note the price \$2.20 per 100, \$20.00 per 1000.

CHRYSANTHEMUMS

EARLY	MIDSUMMER	LATE
White— Smith's Advance Oct. Frost Virginia Poehlmann Alice Salomon	White— Mrs. Chas. Razer Elise Papworth Yellow— Bonaffon Crocus Ramapo	White— Timothy Eaton Chadwick Lynwood Hall Yellow— Yellow Eaton Golden Chadwick
Yellow— Chrysolora	Pink— Enguehardt Chieftain	Pink— Maud Dean R. E. Loeben
Pink— McNeice		

POMPONS and SINGLES

NEW ONES		
Chieftain — Pink	Alice — Salomon.	
POMPONS		
Yellow— Knut Skibo Madge Klondyke Baby Big Baby Quinola	White— Waco Alva Helen Newberry Kenmit	Bronze— Madam Laporte Mrs. Ben SINGLE POMPONS White— Mensa Bronze— Pauline Parkinson Single Pink
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LIST OF ADVERTISERS

	Page		Page		Page		Page		Page
Advance Co.	199	Clarke's D. Sons	181	Hammond's Slug		Martin & Gillies	187	Plant Food Co.	
Albany Cut		Copley Square		Shot Works	196	May & Co., L. L.	185	20th Century	137
Flower Ex.	190	Hotel	186	Harris, S. G.	166	McCarthy, N. F.		Plantlife Co.	198
Allen, J. K.	190	Cowee, W. J.	188	Hart, Geo. B.	190	McConnell, Alex.	184	Poehlmann Bros.	166-188
Anderson, S. A.	185	Craig, Robt. Co.	168	Heacock, Jos.	177	McHutchison &		Pulverized Ma-	
Appline Mfg. Co.	197	Dards	184	Henderson, A., &		Co.	168	nure Co.	197
Aschmann, G.	168	Davenport, A. M.	168	Hess & Swoboda	184	McKenna & Son,		Quaker City Ma-	
Asmus, Geo.	186	Dorner, F. &		Hews, A. H. &		P.	185	chine Co.	199
Ayres Co. S.		Sons Co.	168	Co.	198	McKenzie, John	168	Randall's Flower	
Bryson	181	Dreer, H. A.		Hilfinger Bros.	198	McManus, Jas.	190	Shop	185
Badgley, Riedel		Dunlop, John H.	185	Hill, E. G. Co.	188	Metropolitan Ma-		Reed & Keller	190
& Meyer	190	Dysart, R. J.	188	Holland Nurser-		terial Co.	199	Reid, Edw.	188
Barrie, Geo. N.	198	Eastern Chem-		ies	166	Meyer, Chas. F.	181	Renters	186
Barrows & Son	168	ical Co.	196	Holm & Olson	184	Michell's Seed		Rice, M. Co.	185
Bayersdorfer, H.		Edwards Folding		Hotel Brunswick	187	House	182	Richrs, J. Co.	177
& Co.	186	Box Co.	188	Hotel Notting-		Michigan Cut		Roland, Thomas	168
Bay State Nur-		Elliot, W.		ham	186	Flower Ex.	188	Rockner, A. &	
series	166	Sons	176	Hotel Puritan	187	Miller, Chas.	190	Sons	167-198
Robbink & At-		Ernest, W. H.	198	Hotel Victoria	187	Millar, A. L.	168	Rosary, The	184
kins	166	Esler, J. G.	199	Irwin, R. J.	168	Montreal Floral		Sanger & Son	177
Boddington, A. T.		Eyres	185	Kasting, W. F.		Exchange	190	Sanderson Porti-	
178-181		Farmers and		Keller, J. B.	188	Moore Hentz &		lizer & Chemi-	
Bolgiano & Son,		Florists Fertil-		Sons	184	Nash	190	cal Co.	197
J.	183	izer Co.	196	Keller, J. M. Co.	168	Murray, Samuel	184	Sechler, Max	185
Boston Florist		Farquhar, R. &		Kentucky Tobac-		National Nur-		Sechler, A.	168
Letter Co.	188	J. & Co.	175-183	co Product Co.	197	seryman	177	Sechler, Chas.	
Brook, J. &		Foley Mfg. Co.	199	Kervan Co.	190	Nicotine Mfg. Co.	197	& Co.	167
Sons	183	Ford, M. C.	190	King Construc-		Niessen, Leo Co.	188	Schubert, W. F.	190
Brietmeyer's, J.		Ford, W. P.	190	tion Co.	199	Oechslein, Ernest	168	St. J. Partridge	
Sons	184	Framingham		Komada Bros.	186	Quwerkerk, P.	166	& Co.	199
Bryan, Alonzo J.	168	Nurseries	166	Kramer, F. H.	185	Palmer, W. J. &		Sechler, Geo.	
Burnett Bros. N.	183	Froment, H. E.	190	Kroeschell Bros.	199	Son	184	Sechler, Geo.	190
Burpee, W. A. &		Frost, Chas.	180	Euebler, W. H.	190	Park Floral Co.	184	Sechler, S.	199
Co.	183	Galvin, Thos. F.	185	Lager & Hurrell	177	Parshelsky Bros.	199	Sellers & Sig-	
California Seed		Gasser Co., J. M.	185	Lemon Oil Co.	198	Peirce, E. Allan	198	gers	199
Growers' Asso.	183	Graham, Adam		Leonard Seed Co.	183	Peunock-Meehan		Skidelsky, S. S.	
Carter's Tested		& Son	184	Loechner & Co.	167	Co.	189	& Co.	183
Seeds, Inc.	181	Gude Bros. Co.	185	Lord & Burn-		Penn the Florist	185	Small, J. H. &	
Champion, J. N.		Hall Association	199	ham Co.	200	Pierce, F. O.	199	Sellers, P. J.	190
& Co.	185	Hall & Robin-		Magnum Bonum		Pierson, A. N.	168	Smith & Co., E.	
Childs, John		son	185	Nursery	177	Pierson, F. R. Co.	177-186	D.	197
Lewis	177								

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 192, 193, 194, 195

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the editor of HORTICULTURE.

Aspidistra

To increase stock of this very useful plant, divide up some of the most densely grown plants into pieces of two or three leaves each and pot into 4 or 5-inch pots, using a compost of three parts of new loam, two of leaf mold and one of sand. Place them in a house that is shaded and kept rather close. While making new roots they will want careful watering and syringing to keep them in a moist state. When they have made enough of headway so they can support themselves they can be given more light which will harden them up.

Care of Chrysanthemums

Chrysanthemums will need lots of feeding just as soon as the roots run through all the soil. A good mulch of well decomposed cow manure will be found beneficial, as it will keep the plants from drying out at the root and will afford needed nourishment. Before this manure is applied a dusting of bone meal on top of the soil should be given. I say bone meal; the coarser grades of bone do not give up their plant food quickly enough to be of much use and will only just begin to work after the flowers have been cut and the crop finished. If well decomposed manure is not available, the fresh manure should be used in the form of a liquid, putting a shovelful or so into a barrel of water and mixing it thoroughly. With all respect to the many remedies recommended for use on 'mums there is no insect that infests them that cannot as well or better be cleaned out by use of Aphine or one of the liquid tobacco extracts.

Dahlias

With their large amount of foliage dahlias are bound to take up large quantities of moisture and in dry weather will need water. Where they have been kept well cultivated since they were planted they will be well prepared to stand some drought. Do not fail to give them some stakes before they get too high. Pinch out all the lateral growth; this will throw the strength into the flower wanted. About every two weeks give them a broadcast sowing of some fertilizer that shows a good amount of ammonia, phosphoric acid and potash. Nitrate of soda one part, and bone meal four parts, mixed and sowed between the rows will give good results.

Hollyhocks

Now is the time to start young stock of hollyhocks. They are very popular and are sure to come in very useful in many ways, both the single and the double varieties. Where you have some frames at hand there is no better place to sow the seed. Make the compost light and mix in a good proportion of leaf mold and sand. Do not sow broadcast, but in shallow drills about five inches apart. This will make it easier to keep the seedlings clear of weeds and the ground frequently stirred. Keep them shaded and moist until germination begins

when they should have the full sun. When big enough they should be transplanted into other frames leaving 4 or 5-inches between each plant. To prevent disease spray about every ten days with ammoniacal solution.

Orchids

Calanthes should now be making a strong and healthy growth. They still need an abundant water supply, with manure water twice a week. Cow or sheep manure, with some soot added, strained through a bag, is a safe manure for these and many other orchids. Do not fail to keep the air humid by several dampings down during the day, but never allow a stagnant atmosphere. Watch the plants so they do not suffer for water but do not keep them wet all the time as the compost will become sour. An oversupply of water is usually the cause of black spots on the leaves. It is always better to permit these orchids to dry out occasionally so the compost will be kept sweet. The night temperature should be 70 degrees. In admitting air, always avoid drafts. They cannot stand air like cattleyas without suffering.

Sowing Myosotis and Daisies

Where a stock of these plants is wanted make a sowing now. There is no better place than in a cold frame. Make the surface nice and fine and sow the seed in drills about 4-inches apart. See that they are nicely firmed and kept moist. When big enough to handle they can be pricked out into other frames where they can stay until spring.

Poinsettias and Begonias

Dear Sir—Kindly let me know, through the columns of HORTICULTURE, whether it is possible to keep poinsettias recently potted into small pots, and to transplant them into three-inch pots as the final shift, to carry them until Christmas with the help of liquid manure? Also, until how late is it advisable to take cuttings of Begonia Lorraine and Cincinnati, in order to have them in flower for Christmas? I have some leaf cuttings of the former mentioned plants in sand; will they make small flowering plants for Christmas if potted now?

J. R.

You would find it quite a job to keep poinsettias in three-inch pots, and have them in anything like a salable condition for Christmas. They are sure to become stunted and lose most of their foliage. Why not plant them in 4 or 5-inch pots and when these pots are filled with roots feed with liquid manure? Then you would be able to have a presentable plant with good-sized bracts. The leaf cuttings that you have in the sand are late enough and should make nice little begonias in three-inch pots by Christmas if you grow them on without a check. Use three parts of turfy loam, two of well decayed cow manure and one part each of leaf mold and sand. Keep them on a bench well up to the glass. They should be provided with some shade during the hottest part of the day. Be careful to water them evenly.

Mr Farrell's next notes will be on the following: Care of Carnations; Cinerarias; Lorraine Begonias; Lilium Candidum; Young Palms; Propagate Variegated Vinca.

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Page

COVER ILLUSTRATION—The New F. R. Pierson Building at Tarrytown, N. Y.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Aspidistra—Care of Chrysanthemums—Dahlias—Hollyhocks—Orchids—Sowing Myosotis and Daisies—Poinsettias and Begonias— <i>John J. M. Farrell</i>	169
ROSE GROWING UNDER GLASS—Heating Repairs—Ventilation—The Bottom Leaves on Beauties—Lime—Manure for Mulching— <i>Arthur C. Ruzicka</i>	171
THE CONVENTION CITY—The Convention Garden—August Flower Show in Boston—Boston Day—Florists' Telegraph Delivery—American Carnation Society—Chrysanthemum Society of America—Accommodations—Boston Public Library and New Old South Church, Illustration.....	172
The Shrine of a Gifted Authoress—Illustrated.....	173
A LETTER FROM GERMANY— <i>H. Huebner</i>	173
A MAGNIFICENT FLORAL BUILDING—Illustrated..	174
CLUBS AND SOCIETIES—Bar Harbor Sweet Pea Show—Worcester County Horticultural Society....	175
North Shore (Ill.) Exhibition.....	177
Club and Society Notes.....	176
Florists' Club of Philadelphia—Southampton (N. Y.) Horticultural Society—New York Florists' Club—Florists' Club of Washington—Society of American Florists	178
DURING RECESS—Tarrytown Horticultural Society—Picnic of Minnesota Florists, Illustrated.....	176
OBITUARY—Mrs. Martin Finaghty—Mrs. Ruby B. Leslie—Mrs. John H. Newman—Estella Kaiser—Henry Kahrs—Theodore Bock—Thomas Mansfield—E. W. Habermehl	180
SEED TRADE.....	182
OF INTEREST TO RETAIL FLORISTS: The Model Retailer—New Flower Stores.....	184
Flowers by Telegraph.....	185
FLOWER MARKET REPORT: Boston, Buffalo, Chicago, Cincinnati.....	189
New York, St. Louis, Washington.....	191
MISCELLANEOUS: Americans Within the War Zone.....	173
To Lovers of Dahlias.....	173
Catalogues Received.....	182
Raising Hardy Perennials from Seed— <i>P. Fordham</i> ..	182
Lilium Myriophyllum from Seed; Forcing Bulbs Second Time	182
Business Troubles	182
News Notes	185
St. Louis Notes.....	186
Visitors' Register—Personal.....	191
Chicago Notes, Cincinnati Notes.....	191
Greenhouses Building or Contemplated.....	198
Fires—Patent Granted	198
New Corporations	198

While fortunately free from the terrors of attacking battalions of armed men, we in this country have our own trials in a less distressing but by no means insignificant form. From all directions come startling accounts of the invasion of vast armies of worms which lay waste fields and gardens and destroy all the crops in their path. No section of the eastern half of the United States seems to have escaped more or less serious damage from the ravages of the dreaded army worm. Many suppressive remedies have been recommended, some of which we have published in previous issues and which

need not be repeated here. We just wish to call attention to the statement now made by the Secretary of the Massachusetts Board of Agriculture that robins, bluebirds, blackbirds, grackles and English sparrows, assisted by a small detachment of toads, have succeeded in checking the destructive march of the army worms through southeastern Massachusetts. We hope that the distribution of poisoned bran mash in gardens as heretofore recommended will not be generally adopted for it would kill many of these feathered allies which nature has given us for a useful purpose. Indeed, they are all too few now.

In common with every civilized community and every individual possessing a spark of human sympathy and pity for those who suffer, we are deeply saddened by the terrible infliction which has fallen with such appalling suddenness upon Europe, and, indeed, upon the whole world. Millions of human lives, untold millions of value in property, the garnered harvest of centuries of industry, the commercial prosperity of a continent, institutions of philanthropy, justice, refinement and art—the best that the human mind has ever devised or achieved—all this and more is made a ghastly sacrifice to the inflamed passions of war. The most frightful pages in human history are about to be written and the burden of woe and life-long misery will fall with crushing weight upon millions and millions of our fellow-creatures who are blameless of any part in bringing about the ruthless devastation and slaughter. None of us, however remote from the theatre of this titanic death-grapple, can hope to entirely escape the effect of its withering blast. Let us hope that it will be quickly over and that it may be the last, as it is unquestionably the greatest conflict this world has ever seen.

In the light of these most momentous aspects of the situation it seems trivial to refer to the immediate interruption and stagnation of commerce and the overthrow of customs and conditions with which we have grown up and of which we feel to be a part. In our horticultural relations with the warring countries upon which we have been so dependent for a large part of our supplies we must, for the time being, relinquish much that we have taken for granted and counted upon as assured. Fortunately a large proportion of the French bulbs are already on this side and others are on the way with a fair prospect of safe arrival. The outlook for German imports is much more dubious. Lily of the valley is hardly within the line of possibility. Erfurt which is the centre to which we look for many flower and vegetable seeds is directly in the probable path of invading armies. In Belgium every man is called to the field of combat and our chances for getting azaleas look very slim. As we write, Holland is yet classed as "neutral" and if it so continues our Dutch bulbs may meet no trouble other than some delay, but who can say that Holland may not yet be overwhelmed by the wave of wrath and destruction which surges all around her borders, before the ink is dry on these pages? Horticultural importing houses in this country are hard hit and if present forebodings come true most of their business for this year is ruined. In the present uncertainty and chaos our only course is to wait and hope for the best. The one redeeming feature of the situation is the possibility of the use of more home material. In the contingency that here may begin an era of special development of hitherto untried home resources we may yet perhaps discern the "silver lining" to the dark clouds that now appear so ominous.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the editor of HORTICULTURE.

Heating Repairs.

There are parts of the country where katy-dids are already sounding the warning of the coming fall, and if repairs are to be made on the heating plant, no time should be lost in seeing that these are all attended to before the first cool nights come, although the summer with us here has been very cool so far, and steam was required off and on all the time. There is still time to see that there is nothing wrong with the pipes and that they are in good shape to stand the strain this coming winter. The best time to do this work is when the houses are being emptied so that it is a very simple matter to get under the benches wherever it may be necessary. After all the system is looked over from the boilers to the expansion tanks, test the whole by starting the fire and running it hard for a time. If there are any bad places anywhere they will show up, and can be repaired in time for the cold weather.

Ventilation.

As fall approaches it will be necessary to pay more and more attention to the ventilators. Never close the houses down tight on these cool nights, but keep at least a crack of air on all night. If heat is used, so much the better, as there will be less danger of the houses getting cold. In the morning it is well not to raise the ventilators too soon, or too much at a time. It is much wiser to go according to the thermometers, letting the houses reach 78 degrees F before they are finally lifted up full. In the even-span houses that have ventilators on both sides of the ridge it will be well to use the side opposite from the wind, and then use about two inches of air from the windward side for every eight inches on the opposite side. This arrangement will allow the wind to blow in and then blow out, taking more air with it, instead of blowing over the house and sucking the air out as it goes, thus causing draughts all over.

The Bottom Leaves on Beauties.

These will have to be picked off as the season advances, for if they are not, blackspot is very likely to start in from this cause. Pick off all the leaves that touch the soil and do away with them. There is no need—in fact it is harmful to skin the plants half way to the first wire, but all the leaves that actually lie on

the soil, or touch it more than is safe should be removed. Care must be taken in doing this or some of the bottom breaks are liable to come off with the leaves, and then there would be as much as, if not more damage than, good. Another thing picking off these leaves will help prevent, and that is spider. It is very difficult to get the hose under these leaves, and that is where spider will form a nest and then they will gradually spread all over the plant. Keep after these leaves and you will be glad of it.

Lime.

The houses that were planted very early, will now be large enough to need a little lime. Use air-slaked burnt lime, and not the so called agricultural lime, unless you happen to know just what it is. Do not apply too much of it all at once but enough to whiten the surface of the benches. If the houses have been mulched recently it will be best to wait with the lime until most of the mulch is dissolved, and then apply a little of the lime should the plants appear to need it. Although it is no nice work, we like to apply the lime screened, so as to be sure that it is free from all lumps that will slake later, and leave heaps of lime here and there on the benches. Fresh lime is best, for it is far more active and it will give quicker results.

Manure for Mulching.

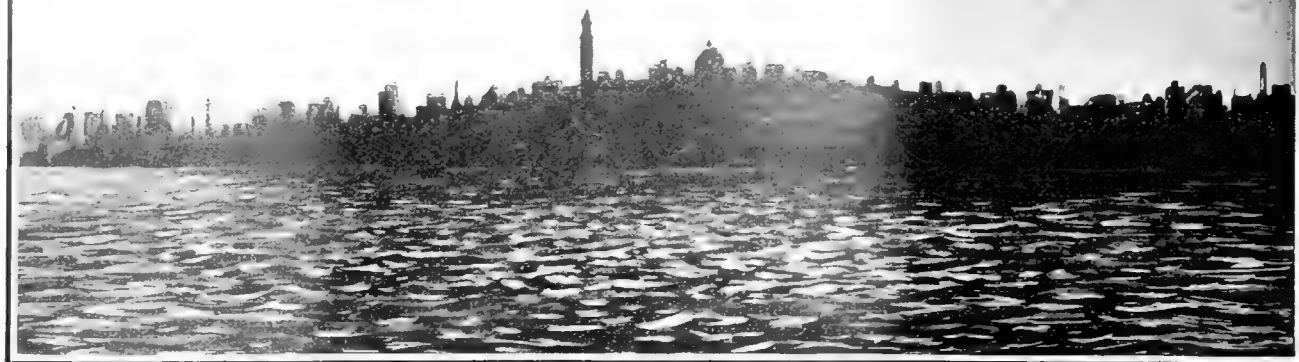
If there is no manure heaped up for mulching as yet, begin at once to get some in, and turn it over several times to decay it and to keep it from burning. Manure sheds will come in handy for this, as the rain will not be able to get into the manure, and thus wash it out. If one had a way to figure the amount of money florists lose by letting the manure piles lay around in the rain, it would run up into large numbers. Fork the manure over quite often and see that it is left in nice heaps, well shaped, for it looks much better that way, and does not require any more labor. Avoid using manure with long straw in it. If you can, offer your man a little more and have him cut up all the bedding into short pieces with a fodder cutter. The manure will then be much easier to handle, and will decay more rapidly, making it better all around. Of course for liquid manure the short straw would be a nuisance but the season is still some distance off, and little manure water will be used within the next few weeks.

The Special Convention Number of Horticulture

WILL BE ISSUED ON AUGUST 15

This will be an issue of exceptional interest and will be widely circulated and widely read. Its value as an advertising medium for all floral and horticultural material cannot be over estimated. S. A. F. trade is always worth a special effort at Convention time. Send your order in early and it will have our best attention.

THE CONVENTION CITY



Courtesy Boston Chamber of Commerce

THE CONVENTION GARDEN.

Work on the Convention Garden has progressed rapidly during the past few days, and with the exception of the greensward which has only just been sowed down and some of the gladiolus beds which will not be in bloom for the Convention, the visitors will find in this feature much to repay them for their trip to Boston. The Farquhar exhibit, which was the last to be installed is now approaching completion and is much the largest and most elaborate feature on the grounds, Gondolas will ply the waters starting from the Japanese pagoda and rustic pier erected here and the city will provide brilliant illumination for the grounds at night which will add greatly to its charm. It is much to be regretted that so much unavoidable delay, caused by changes in the city government, supplemented by an unusually cold and wet season, has hampered the work on this big undertaking, but on the whole, a very creditable result has been attained and the visitors will enjoy it.

AUGUST FLOWER SHOW IN BOSTON.

Gladioli and phloxes will be the features of the August Flower Show of the Massachusetts Horticultural Society at Horticultural Hall, Boston, on Saturday and Sunday, August 8 and 9.

In addition there will be interesting exhibits of annuals, including China asters and other seasonable flowers. A novelty of this exhibition will be a display of caladiums from the estate of Thomas E. Proctor of Topsfield, consisting of over 125 varieties, arranged with garden effect. Fruit and vegetables also will occupy a conspicuous place and the first specimens of the season of apples, pears, plums, and peaches will be shown. Hothouse grapes and fruit trees grown in pots are scheduled for this show.

The exhibition is free and will be open Saturday from 12 to 6 and Sunday from 2 to 6 o'clock.

BOSTON DAY, FRIDAY, AUGUST 21.

Arrangements are now all completed for a glorious outing on Friday, the Allied Horticultural Interests of Boston acting as hosts. A large steamer of the Nantasket line has been chartered and will sail for Fort Warren in Boston harbor, where the baseball game and a list of other interesting events will take place. After the conclusion of these games the sail will be continued out into Massachusetts Bay for a short distance and then to Nantasket Beach where a shore dinner will be served at the Rockland House. This will terminate the official convention festivities.

FLORISTS' TELEGRAPH DELIVERY.

The fact that the European retailers allow only ten per cent in their exchange of orders and expect to allow only ten per cent when transacting business with the retailer of our country has been drawn to the attention of the Florists' Telegraph Delivery. All members are requested to arbitrarily deduct twenty per cent in dealing with foreign flower shops.

In case there is any controversy over the matter the same should be taken up with the Secretary of the F. T. D. and proper provision will be made for taking care of it. A resolution requesting permission to mail all foreign orders net—that is, with a discount of twenty per cent subtracted, when dealing with foreign houses not permitting more than ten per cent, will be offered at the Boston meeting of the Florists' Telegraph Delivery.

IRWIN BERTERMANN, Pres.

Indianapolis, Ind.

AMERICAN CARNATION SOCIETY.

A meeting of the board of directors will be held in Boston, Mass., at 9.00 A. M., Thursday, August 20th. All members who are in attendance upon the S. A. F. & O. H. convention are invited to meet with the board.

S. J. Goddard, Pres.

A. F. J. BAUR, Sec'y.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The Chrysanthemum Society of America will hold a meeting in Paul Revere Hall, Mechanics Building, Boston, 9.30 A. M., Wednesday, August 19, 1914, the second day of the convention. This announcement should have been included in the program mailed to all members some time ago.

JOHN YOUNG, Sec. S. A. F.

ACCOMMODATIONS.

Have you engaged your hotel accommodations? If not, HORTICULTURE suggests that any of the following named houses will be found acceptable in all appointments and reasonable in charge. All are within convenient distance from the Convention hall.

Hotel Nottingham, Copley Square. Francis Howe, Proprietor; Hotel



Brunswick, Boylston Street and Copley Square, Fred E. Jones, Proprietor; Hotel Puritan, Commonwealth Avenue, H. H. Costello, Manager; Hotel Victoria, Dartmouth and Newbury Streets, Thomas O. Paige, Manager; Kent Mansion, 12 Kent Street, Brookline, Martin & Gillies, Proprietors; Copley Square Hotel, Huntington Avenue, cor. Exeter street. Be careful and not confuse the "Copley-Plaza" with this hotel.

THE SHRINE OF A GIFTED AUTHOR.

"Orchard House" the home of Louisa M. Alcott, where she wrote "Little Women" will be a spot of more than passing interest to the ladies, particularly, on the occasion of their visit to Boston and no doubt many of them will desire to make the pilgrimage to the beautiful spot so charmingly portrayed in the photograph we here reproduce.

A LETTER FROM GERMANY.

The following letter, dated at Munchen, Germany, July 25, and received in Boston, August 6, will be of more than ordinary interest to our readers in view of the stupendous events which have transpired in the brief time since the letter was written. Mr. Huebner, who is in the florist business at Groton, Mass., sailed from Boston on the Hamburg-American steamer Cincinnati, July 7, for a well-earned vacation in his native country. We hope he may be able to complete it in safety and comfort.

My dear Mr. Stewart:

As I promised to drop you a line, I suppose I have to keep my promise. As you will see by the heading, this comes from Munich, the home of Munchner beer. Germany is certainly a beautiful country, everything seems to go so harmoniously. Nobody seems to be in a hurry, yet everything goes along punctually. It is a great rarity to have a train arrive one minute late. But you will probably be less interested in such matters than you would be in anything pertaining to plants and gardening.

One of the first things I noticed is the amount of flowers and plants used here. Every little yard has a few flowers and in the larger houses in the cities every window up to the attic has a window box. Petunias and ivy geraniums seem to be the favorites for the window boxes. There is one beautiful dark blue single petunia called Rathhaus petunia, which is used very much, and it certainly is pretty in connection with white or yellow. I visited the exhibition in Altona, which is now in progress. Cactus and aquarium plants seem to occupy most of the space. I also noticed a new strain of bedding begonia, very dwarf and compact, very pretty, exhibited by G. Borneman, Blankenburg. The Thierpark (menagerie) of Hazenberg in Stellingen, is also very interesting, as there were some very fine flower beds, but the most interesting place I found to be E. Neubert, in Wandsbek. He is the bly of the valley king of the world. Everything here is carried on on a large scale. Mr. Neubert took me in his auto all over his plantation, which is very extensive, and it was certainly most interesting. He informed me that he raises about fifty million valley annually, also about seventy thousand lilacs call in pots for potting, thousands and thousands of his clematis, azaleas, etc. A fence about one mile long, covered with climbing roses, called D. Perkins, were in full bloom and presented a beautiful sight. A new sight to me was to see sixty women on their knees weeding in one of the valley fields. The greenhouses, of which there are a good many are all glazed with two thicknesses of glass, having about one inch air space between. Some of the cyclamen and gloxinia specialists are also situated in Wandsbek, but I could not see many of these flowers in bloom, as all are raised for the seed. The women seem to do the principal work in the fields; their hours are from



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LOUISA M. ALCOTT'S HOME, "ORCHARD HOUSE," CONCORD, MASS.

6 A. M. to 6 P. M., and their wages are about 6¼ cents per hour.

In the Thiergarten in Berlin, which is a park of about 650 acres, right in the center of the city, there is a beautiful rose garden, about six acres, which was laid out by the present Empress. Some of the most prominent roses used were: Gruss an Teplitz, Aechten Muller, C. Testout, Jeanne d'Arc, D. Perkins, Kaiserin A. Victoria, Fisher Holmes, Frau K. Druschki, Marechal Niel, Orleans, etc. The gardens in Potsdam around the Emperor's palace are also very fine, as were also those at Sans-souci, where there are the old orange-ries and graperies from Frederick the Great's time.

In Erfurt, where I spent several days visiting the large seed growers, I noticed some beautiful new petunias and begonias which we shall hear of in a year or two, also a good many new plants. Everything here is raised for seed or bulbs. Asters were not yet in bloom, and gladioli were just beginning, so in about three weeks will be a better time to see them. Stocks, of which there were formerly very many raised, are very little grown here now. At Pfiltzer's in Fellbach (Stuttgart) I noticed as one of the best novelties a dwarf, compact Mrs. Sander marguerite. It makes a beautiful pot plant, and is a great improvement in every way. I understand that one of our American firms has engaged a large quantity of this variety. There were also several new bedding begonias, very fine, and a deep orange canna, beautiful, not named yet, also an endless variety of plants not commonly seen.

The new botanic garden in Nymphenburg (Munich) is really wonderful. I went out this morning early (it is about eight miles from Munich) but had to wait until ten o'clock before gates were opened. It closes again at 12.30, and during the 2½ hours I had not seen one half. One house which attracted my attention was planted with tuberous begonias, and if we ever get these varieties in commerce, it will be a revelation to all of us. I leave tomorrow for Innsbruck, in Tyrol, which also has a famous botanic garden.

Sincerely yours,

H. HUEBNER

AMERICANS WITHIN THE WAR ZONE.

Many of our horticultural friends are in the beleaguered countries of Europe on business or pleasure and the sud-

denness with which war began must have caught some of them in an awkward predicament. The following named parties are presumably all of them over there still, most of them having sailed within the past three or four weeks and we have not heard of the return, thus far, of any of those mentioned.

Prof. C. S. Sargent, Arnold Arboretum; A. Anderson, Chicago; H. Huebner, Groton, Mass.; C. Lorenzen, Hartford, Conn.; A. A. MacDonald, Somerville, N. J.; Frank Denzer and Harry Breitmeyer, Detroit, Mich.; Peter Duff, Orange, N. J.; Mrs. E. A. Williams, Pittsburgh, Pa.; H. W. Betts, Richmond, Mass.; Edward Reid, Philadelphia; A. Leuthy, Roslindale, Mass.; Otto Heineken, New York City; Julius Roehrs, Rutherford, N. J.; R. R. Root and H. B. Derner, Urbana, Ill. R. M. Ward and James McHutchison of New York are somewhere in the far east.

TO LOVERS OF DAHLIAS.

An invitation is extended to every lover of dahlias to meet at a formal gathering of all American dahlia enthusiasts at Newport, R. I., on August 13th, 1914, for the purpose of organizing the American Dahlia Society.

This society will be founded for the purpose of promoting the interests of the dahlia; it will endeavor to further its progress, establish a clear classification, encourage more public exhibitions, and, last but not least, it will disseminate useful and helpful information at regular intervals to its members.

The meeting will take place at 8.00 P. M., August 13th in the Weaver building, Broadway, Newport, R. I. August 13th is the first day of the combined flower shows given at Belcourt, and the exhibits of dahlias here will certainly be an attraction worth while for all dahlia lovers to undertake the trip to Newport. Come and help in a worthy cause.

MAURICE F. ...

A MAGNIFICENT FLORAL BUILDING

The illustration on our cover page and those appearing herewith will give some idea of the beautiful structure of the F. R. Pierson Company at Tarrytown, N. Y., which we noted in our issue of May 30 and which is now completed. The building is of stone and fireproof throughout. The building is 41½ ft. front, 50 ft. deep, and 30 ft. high. The large plate glass windows are 10 ft. 6 in. by 14 ft. The building is flanked on the north by a plant show-room, 15 x 50, of steel and copper enclosed with heavy plate glass, and on the south by an Italian garden—a massive, dignified structure—in keeping with the solidity and massiveness of the main building, the pergola post, being constructed of stone also.

While the photographs give a very good idea of the exterior of the building, the interior needs a little description. It is very beautifully finished, and is quite unique. The ceiling is 30 feet high, and is of elaborate design. It is a beautifully executed piece of workmanship. It is supported by two massive columns, which also support the balcony. The main floor is not intended for a store or shop, but for a reception, or show room. The floor of this room is of quarry tile, imported from North Wales. There is a large open fireplace nine feet in width, surmounted by a very beautiful mantel, which is a magnificently executed piece of hand-carved work.

On the east side of the room is what would ordinarily be termed a refrigerator, but which is in reality a show case so designed as not to appear at all like a refrigerator. This is seven feet wide, sixteen feet long and eight feet high. The frame work is of steel and cement, insulated with cork, and



LAWN VIEW SHOWING SIDE ENTRANCE TO MAIN BUILDING VIA PERGOLA

the exterior is finished in marble, bronze, and Caen stone. The plate glass front is double, with an air space between to prevent condensation. The pilasters are solid bronze. The floor is constructed of moss-green encaustic tile; the rear walls are large mirrors; the ceiling and other interior walls are covered with opal plate glass. The roof of the show case is covered with smaller tiles, of the same general design and color as the floor of the main building. The show case is lighted by two ceiling lamps enclosed in opalescent globes. In the rear of the show case, extending from the floor to the ceiling on each side, are

five sets of aluminum drawers, for the storage of violets, gardenias, ferns, asparagus, and other articles of that character. These drawers are concealed by doors covered with a mirror. A balcony, 16 feet from the main floor, extends around two sides of the building, affording ample space for office work. Between the balcony and the main floor is a mezzanine floor, on which are the toilets and a large safe deposit vault. Below the mezzanine floor is a large workroom 10 x 40. There will be no counters or other conventional store fixtures on the main floor.

The interior walls are of Caen stone imported from France. The stairways are of marble, with bronze railings. All of the doors in the building are of metal, the door on the main entrance and those leading into the conservatory and Italian garden being of bronze.

The lighting effects are most artistic. The large central fixture, suspended from the ceiling, is five feet in diameter, and contains lamps of eight hundred candle power. The inside bottom of these fixtures is covered with amber colored glass, which gives a soft, mellow light.

If it were not for the conservatory on the north and the Italian garden on the south, the building might be mistaken for a modern public library or bank. Nothing like it has ever before been attempted in the florists' business, either in breadth of conception or execution, and it is a building that will probably not be duplicated for a long time to come. It represents an outlay of nearly fifty thousand dollars.

The building is designed to meet the conditions of a high-class residential neighborhood. A building of this character would only be possible in such a town as Tarrytown, which is the wealthiest suburban section in the United States, being only twenty-five



PERGOLA VIEW

¶ In response to the numerous inquiries from our customers and friends who want to visit our nurseries while in Boston during Convention week, we wish to state that we shall be glad to have them visit our nurseries any time during their stay here. We will have a Private Gardeners' Day at our Dedham Nurseries on Wednesday afternoon, August 19th. Come and meet your friends.

R. & J. FARQUHAR & CO.

Boston, Mass.

miles from the heart of New York City. The building is located on the main thoroughfare along the Hudson River between New York and Albany and the north and west. It is estimated that on pleasant days between three and four hundred automobiles an hour on the average pass the building.

All in all, it is a building that must be seen to be appreciated. Neither photographs nor description can convey the general effect of the beauty of the structure. William R. Cobb, General Manager of the Lord & Burnham Company, is the architect, and the design as worked out is the result of the collaboration of Mr. Pierson and Mr. Cobb, the latter, of course, having carried out the technical construction and the general design.

BAR HARBOR SWEET PEA SHOW.

The Bar Harbor Horticultural Society held its second annual Sweet Pea Show on July 25 and 26. This exhibition was under the direction of the following committee: William T. Burton, chairman; Edward Kirk, Clarence E. Dow, John H. Stafford, John Renwick. The staging of the flowers was under the care of Arthur E. Thatcher, who had charge of the exhibits, and acted as manager for the show. William Sim, of Cliftondale, Mass., and George Cruickshank, of Boston, acted as judges, and made the following awards:

12 vases, 12 varieties: 1st, Mrs. John S. Kennedy, gard. William T. Burton; 2nd, Mrs. E. C. Cushman, gard. John Renwick. 6 vases, 6 varieties: 1st, Mrs. John S. Kennedy; 2nd, Mrs. E. C. Cushman. 25 sprays, dark pink: 1st, Mrs. John S.

Kennedy; 2nd, A. C. Gurnee, gard. Charles L. Shand. 25 light pink: 1st, Mrs. John S. Kennedy; 2nd, Mt. Desert Nurseries. A. E. Thatcher, manager. 25 white: 1st, Mrs. John S. Kennedy; 2nd, D. C. Blair, gard. Eugene Mitchell. 25 lavender: 1st, Mrs. Edgar Scott, gard. Almado Mitchell; 2nd, Mrs. John S. Kennedy. 25 mauve or blue: 1st, A. C. Gurnee; 2nd, Mrs. John S. Kennedy. 25 crimson or scarlet: 1st, Mrs. Edgar Scott; 2nd, Mrs. J. T. Bowen, gard. Arthur E. Chilman. 25 orange or salmon: 1st, D. C. Blair; 2nd, Mrs. E. C. Cushman. 25 any bicolor: 1st, A. C. Gurnee; 2nd, Mrs. John S. Kennedy. 25 mixed: 1st, Mrs. John S. Kennedy; 2nd, D. C. Blair. 25 yellow or buff: 1st, D. C. Blair; 2nd, Mrs. E. C. Cushman. 25 any other variety: 1st, D. C. Blair; 2nd, Mrs. E. C. Cushman.

Light Pink—25 Hercules: 1st, Mt. Desert Nurseries; 2nd, D. C. Blair. 25 Doris Usher: 1st, Mrs. John S. Kennedy; 2nd, Edward Kirk. 25 Elfrida Pearson: 1st, Mrs. John S. Kennedy. 25 Mrs. Routzahn Spencer: 1st, John H. Stafford; 2nd, Mrs. E. C. Cushman.

Orange—25 Thomas Stevenson: 1st, Mrs. John S. Kennedy; 2nd, Mrs. Edgar Scott. 25 Barbara: 1st, D. C. Blair. 25 Edith Taylor: 1st, Mrs. John S. Kennedy.

Mauve—25 Irish Belle or Dream: 1st, Mrs. John S. Kennedy; 2nd, A. C. Gurnee. 25 Asta Ohn: 1st, Mrs. John S. Kennedy; 2nd, D. C. Blair.

Scarlet—25 Scarlet Emperor: 1st, D. C. Blair; 2nd, John H. Stafford.

White—25 King White: 1st, Mrs. John S. Kennedy; 2nd, D. C. Blair.

Rose Pink—25 Royal Rose: 1st, Mrs. John S. Kennedy.

Display, 30 square feet: 1st, Mrs. E. C. Cushman.

Display, 50 square feet: 1st, Mt. Desert Nurseries; 2nd, A. C. Gurnee.

Table decoration of sweet peas, sweet pea and other foliage allowed: 1st, Mt. Desert Nurseries; 2nd, John H. Stafford.

Amateur Classes—30 sprays white: 1st, Marston Salisbury. 30 pink: 1st, I. Miller; 2nd, John Stafford, Jr. 30 lavender: 1st, Marston Salisbury; 2nd, I. Miller. 30 orange: 1st, John Stafford, Jr. 30 red: 1st, Marston Salisbury; 2nd, I. Miller. 30 sprays mixed: 1st, I. Miller.

Besides the above prizes, a special award was given John H. Stafford for

a meritorious display of sweet peas in a space covering 30 square feet.

CLARENCE E. DOW, Sec'y

WORCESTER COUNTY HORTICULTURAL SOCIETY.

The largest and finest exhibition of sweet peas ever seen in Worcester was the verdict at the weekly show of the Worcester county horticultural society in Horticultural hall, Thursday afternoon, July 23. A special feature was the table decorations. The first prize table by Mrs. Percy G. Forbes was decked with deep shaded sweet peas, the centerpiece being a flat glass basket with the blossoms, and at each place was a smaller basket with the flowers surrounded with smilax. Miss Lucy M. Coulson's table took second. Pale pink sweet peas were used and tiny place cards in tinted colors with corsage bouquets of sweet peas were at each place, and on the centerpiece, a large vase of the flowers, was perched a white butterfly. The third prize was by Mrs. Leonard C. Midgley. It was done in white, the only color being the green candles with delicate green shades. The centerpiece was a high slender vase set on a glass plate and surrounding it were smaller vases all linked with a glass chain work. Harry L. Randall showed a splendid basket of sweet peas which won first prize.

The annual Summer flower show of the North Shore Horticultural Society will be held August 26 at Mrs. R. C. Winthrop's estate at West Manchester, Mass., where the show has been held for the past two years.

WAR OR NO WAR!

We have FRENCH BULBS, and while they last
we are offering

Paper Whites Grandiflora, \$8.50 per 1000

ST. DAVID'S HARRISII

5 to 7 Plump Bulbs	- - - - -	400 to case, \$20.00
7 to 9 " "	- - - - -	200 to case, 20.00
TOBACCO DUST for dusting	- - - - -	100 lbs. 2.00
ROSE BONE	- - - - -	200 " 4.50
SCOTCH SOOT	- - - - -	112 " 3.00

WM. ELLIOTT & SONS, 42 Vesey Street, NEW YORK

During Recess

Tarrytown Horticultural Society.

The annual outing of the Tarrytown Horticultural Society took place at Rye Beach, Rye, N. Y., Aug. 4th. Dinner was served at Edwards' Hotel. Seventy-five members and friends of the society were present, and all enjoyed the dinner and the day's outing. The committee in charge, James W. Smith, William Scott, John Brunker, George Wittlinger and Thomas A. Lee—deserve much credit for the day's enjoyment. Games were indulged in. The hundred-yard dash for all was won by George Wittlinger; the hundred-yard dash for boys by Harold Gniff; potato

race by Alfred Lee; three-legged race by Wm. Kastberg and George McIntosh; running broad jump by Wm. Kastberg; tug-of-war, Wm. Scott on one side and W. Melville Scott on the other, Wm. Scott, winner.

Westchester and Fairfield Horticultural Society will hold their annual outing at Edwards' Rye Beach Hotel, Aug. 11th. Dinner tickets can be procured from W. J. Sealey, Portchester, N. Y., at \$1.50 a person. The fall show of this society to be held in Germania Hall, New Rochelle, N. Y., Nov. 4, 5, 6.

CLUB AND SOCIETY NOTES.

The St. Louis Florist Club will hold its regular monthly meeting August 13 at the home of the Cannon Floral Co. at Webster Grove, Mo. This is a most important meeting on account of the

election of officers and matters pertaining to the S. A. F. Convention at Boston.

The Ornamental Growers and Nurserymen's Association are holding their annual meeting in Boston this week, with headquarters at Hotel Bellevue. A trip among the nurseries in Framingham, Lexington, Bedford, Concord and other suburban towns was enjoyed on Wednesday. Details of meeting in our next issue.

Lenox, Mass.—Many of the employees on the private estates here are French (Breton) and a large number of them—upwards of forty—have resigned their jobs and gone to Boston whence they will sail to do military duty in France if transportation can be secured.

PICNIC OF MINNESOTA FLORISTS.



The above view shows the group of participants in the picnic of the Minnesota Florists' Association, Minneapolis Florist Club and St. Paul Florist Club at Red Wing, Minn., on July 17. The trip was by steamer down the river, with barge for dancing attached and return by special train. Races and general sports were held in. About four hundred were in attendance.

LILIUM HARRISII

For Immediate Use

We have received our first consignment of Harrisii, and offer a selected stock of the original true Harrisii for early forcing. This stock was grown from the original true type and will be found splendid stock for early forcing, for which purpose Harrisii is so valuable. The crop is much shorter than usual this season, but we are in position to supply a nice lot of selected stock, and can make delivery from first shipment.

6 to 7-inch bulbs, 350 to the case, \$5.50 per 100, \$45.00 per 1,000

7 to 9-inch bulbs, 200 to the case, \$9.00 per 100, \$80.00 per 1,000

Full case lots at thousand rates.

FERNS

There is nothing better for summer use than the fine varieties of NEPHROLEPIS. We offer a nice stock of the following varieties, well established plants ready for immediate shipment.

Nephrolepis elegantissima (The Tarrytown Fern), 3½-inch, 25c. each; 6-inch, 50c. each; 8-inch, \$1.00 each.

Nephrolepis magnifica, 3½-inch, 25c. each.

Nephrolepis muscosa, 3½-inch, 25c. each; 5-inch, 50c. each.

Nephrolepis Harrisii, 6-inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Nephrolepis Bostoniensis, 6 inch, 50c. each; 12-inch—very large plants, \$5.00 each.

Pteris Wimsettii multiceps fine hardy fern 3½-inch, 15c. each.

Small Ferns for Fern Pans. A fine assortment. 2½-inch, \$4.00 per 100.

SPECIAL OFFER OF KILLARNEY BRILLIANT, Grown in 4-inch Pots, To Close Out Stock

We have a few thousand extra fine plants of this valuable rose. Those who have not completed their planting or who have been building or who have not all the stock they need, will find this a bargain. Plants are strong plants from 4-inch pots. In order to close out stock, we offer what we have left unsold at \$25.00 per 100, \$200.00 per 1,000.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON

NEW YORK

NORTH SHORE (ILL.) EXHIBITION.

The strip of land along the shore of Lake Michigan, north of Chicago, is commonly known as The North Shore and contains some of the finest as well as the largest estates in America. Here the landscape gardener has everything to assist him and finds nature always ready to respond to his efforts. Among the North Shore towns, Lake Forest has been a leader for many years and its exhibits of flowers and vegetables under the auspices of The North Shore Horticultural Society, have been notable events. On July 22, occurred the eighth annual exhibit, held at Durand Art Institute, Lake Forest, Ill., participated in also by the Garden Club of Illinois, of which Mrs. Tiffany Blake of Lake Forest is president and which has for its object the cultivation of garden flowers.

The exhibit this year was held earlier than usual, to the advantage of the floral display, but not quite so favorable to the vegetable collection. Occupying the center of the main hall were two large groups of decorative plants from the conservatories of L. F. Swift and A. B. Dick, and the stage was filled with collections of fine gladioli, while other large collections were shown on the main floor. The gold medal offered by A. E. Kunderd, for the largest and best collection was won by Mrs. E. S. Moore, Lake Forest, Ill., gard. D. McNaughton. The sweet pea section was remarkably well filled for a July show, one collection of 32 varieties all Spencer type, including the new Edith Taylor, was grown by Knut Lofving, gardener for D. M. Cummings. Vaughan's Seed Store showed phlox and delphiniums. L. F. Swift easily won first prize on house ferns which were exceptionally good. A table of six gloxinias by Stanley Field showed plants splendidly grown and flowers of exquisite coloring. The collection of baskets of flowers numbered several dozen and showed much taste and skill in arrangement, loose effects prevailing. In vegetables the displays were good for July though not equal to those of former years. An admission of 50 cents was charged in the afternoon and 25 cents in the evening.

Hightstown, N. J.—The greenhouses of Jos. H. Black, Son & Co. have been leased by Ferris C. Waite.

Observe If You Will

OUR EXHIBITS

Outdoors and In, at

THE CONVENTION

== GLADIOLI OF COURSE ==

JOHN LEWIS CHILDS

FLOWERFIELD, L. I., N. Y.

THE National Nurseryman

Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

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100,000 Calla Lily Bulbs

Warranted to be free from any disease
Let us estimate that order
Satisfaction guaranteed

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Largest Importers, Exporters, Growers
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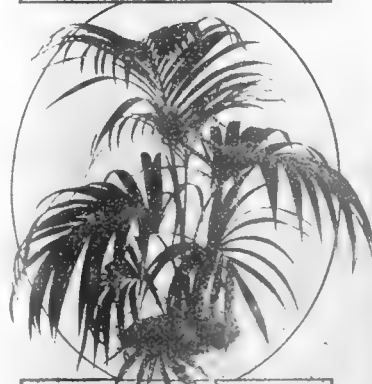
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NEW YORK CITY

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JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. **CATTLEYAS:** Percivaliana, Gaskelliana, speciosissima. **DENDROBIUMS:** Formosum, Wardianum, nobilis, densiflorum, Schuitzi. **VANDAS:** Coerulea, Batemannii, Luzonica, Inschootiana. **PHALAENOPSIS:** amabilis, Schilleriana, Spathoglottis plicata.

Write for Special List No. 55.
LAGER & HURRELL, Summit, N. J.

Send in your Advertising Copy
for the Convention Number by
August 10.

CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

Routine business of only local interest occupied the regular monthly meeting of the above club held on the 4th inst. The various convention committees reported progress, and everything looks favorable for a good crowd from this city. About fifty will go on the regular club party via Reading and Metropolitan steamers on Monday; but there will be four times that number and more by other routes, and by auto; and on various dates. A committee on co-operation was appointed on request of M. C. Ebel of the N. A. G. A. E. Wohlert, Fred Hahman and Alfred Burton are the committee. After adjournment a pleasant social time was enjoyed—the creature comforts being supplied by A. E. Wohlert, who is an active member of the essay committee. Very kind of him, and everybody appreciated the good time. It should not be forgotten however, that the club has a house and entertainment committee, whose duty it is to attend to these matters. The essay committee's functions are, of course, purely intellectual. The feature of next month's meeting will be a review of the convention by four leading club members.

SOUTHAMPTON (N. Y.) HORTICULTURAL SOCIETY.

The eighth annual exhibition of this Society was the best ever staged in Southampton. The postponement of the exhibition from the previous week proved to be a very wise move, for there was a wealth of flowers now in bloom that had not arrived at maturity last week.

The exhibits were divided into five divisions. Division A included table decorations and decorative designs. Division B included cut perennials, annuals, etc. Division C included greenhouse and herbaceous plants in pots or tubs. Division D included ornamental stove and greenhouse plants. Division E included fruits and vegetables. The principal attraction was the exhibition of decorated luncheon and dinner tables, open to the women of the cottage colony only, the flowers and foliage used in the decorations to be grown by the exhibitor. The judges of the exhibits were G. W. Gilbert of Shelter Island, George Wittinger of Tarrytown and Frank Niquet of Patchogue. One-half of the net proceeds will be donated to the Southampton Hospital.

NEW YORK FLORISTS' CLUB.

President Duckham having received ten written requests, complying with the constitution and by-laws of our club, instructs me to call a special meeting to be held in the Grand Opera House building, Monday, August 10, at 8 P. M., the purpose of the meeting being what action, if any, our club should take as a recommendation to members attending the Convention of the Society of American Florists and Ornamental Horticulturists to be held at Boston, as to the supporting of candidates.

JOHN YOUNG, Sec'y.

FLORISTS' CLUB OF WASHINGTON

Announcement was definitely made at the August meeting of the Florists' Club of Washington, that a show would be held in the Old Masonic Temple, during the week of November 2 to 8, inclusive. The show committee consists of Fred H. Kramer, chairman; R. L. Jenkins and William F. Gude. Immediately following the announcement as to the advisability of holding a show this year more than one-half of the guarantee fund was subscribed and the preliminary work was begun.

For the Boston convention transportation committee, R. L. Jenkins submitted a report as to who would go via the steamship "Howard." This party will consist of about twenty-five while those who will go later by train will number up to fifty. Richard Vincent, Jr., was present to inform the members of the action taken by the Baltimore Club with respect to the sea trip. Captain William H. Ernest reported that Boston and the florists who attend the convention would have an opportunity to see the Capital bowling team in action for he will make the trip accompanied by George H. Cooke, George C. Shaffer, Robert MacLennan, Samuel Simmons, George Dalglish and Harry Lewis. The boat party will consist of President and Mrs. Cooke, B. L. Stidham and wife, O. C. MacCardell and wife, J. A. Barry, Harry B. Lewis, R. L. Jenkins, Theodore Diedrich, Otto Bauer, William H. Ernest, Mrs. William J. Hart, Jr., Mr and Mrs. George C. Shaffer, D. O'Connor, Miss Della B. Barry, Mr. and Mrs. William F. Gude, Ernest, Amelia, Louise and Granville F. Gude, Adolph Gude, Adolph, Jr., Edwin, Edgar and Miss Esther Gude.

W. F. Gude made a short report on the progress being made by the William R. Smith Memorial committee, of which he is the chairman, stating that funds were being received in response to the appeal sent out by the committee. A feature of the evening was the exhibition of a vase of gladiolus "Snow King," by John Lewis Childs, of Flowerfield, N. Y. A certificate of merit was awarded it.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that Vaughan's Seed Store, Chicago, Ill., offers for registration the Christmas Orchid-Flowered Sweet Pea, Selma Swenson. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description—Variety originated by G. Swenson, Elmhurst, Ill. Color a light, soft, clear pink, for greenhouse forcing.

JOHN YOUNG, Sec.

July 31, 1914.

The Cincinnati Florists' Society holds its next regular meeting at the club rooms on August 10, at 8 P. M.



Mignonette

BODDINGTON'S MAJESTY

THE finest of all the Fancy Varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety.

Trade Packet 60 cts., 1/8 ounce
\$1.00, ounce \$7.50.

ARTHUR T.
BODDINGTON
SEEDSMAN

342 West 14th St., - NEW YORK
"These Prices are for the Trade Only."

A grand lot of well colored 6-inch pots, \$1.00 each.



PRINCESS. 20—The New Upright Pansy

This strain is entirely distinct from all others. It is absolutely compact upright growing and extremely weather-proof, enduring many storms without damage to its flower. The flowers are mostly blotched and frilled like the Masterpiece, of good form and heavy velvety texture, on heavy stems carried well above the foliage. Attractive by the brilliancy of its colors.

500 seeds, 25c. 1000 50c. 1 lb. \$2.50 1 oz. \$10.00

- 34—Bronze—Brown and copper shades mixed
- 36—Fancy—Rich colors, mostly margined.
- 38—Mme. Perret—Red and wine shades
- 40—Zebra—Fine striped mixture
- 42—Adonis—Light blue, white center.
- 44—Black—Almost coal black.
- 46—Black with bronze center.
- 48—Lord Beaconsfield—Purple shaded white.
- 50—Bronze—Beautiful Bronze
- 52—Bronze with yellow center
- 54—Velvet Brown with yellow center.
- 56—Havana Brown
- 58—Havana Brown with yellow center
- 60—Cardinal—Curled, bright red, dark blotch
- 62—Cecily—Steel blue, margined white.
- 64—Goliath—Large curled yellow blotched
- 66—Hero—Curled, deep blue shaded white.

The KENILWORTH Giant Pansy

seeds are all grown by myself and are offered in the following mixtures and separate colors:

- 22—**KENILWORTH STRAIN**—The flowers are of perfect form and substance; many of the immense flowers are from 3½ to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.
- 24—**KENILWORTH SHOW**—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.
- 26—**KENILWORTH CUT FLOWER MIXTURE**—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.
- 28—**MASTERPIECE**—A remarkable type; the curled, wavy petals giving the flower a double appearance, large flowers of great substance, on long, strong stem.
- 30—**GIANT THREE AND FIVE BLOTCHED PANSIES**—A superb mixture. Flowers large and of circular form and of great substance. The display of coloring is unsurpassed. A combination of almost every shade of rich velvety colors, reds are particularly conspicuous; the petals being distinctly marked with three or five large dark blotches.

NEW SEED NOW READY.

All sorts and mixtures, except the new Pansy Princess, are \$5.00 per oz., \$1.25 per ¼-oz.; 5000 seeds, \$1.00; trade packet of 1000 seeds, 25 cents; any 5 pkts., \$1.00. Please order by number.

- 68—Emp. William—Ultramarine blue, violet eye
- 70—Eros—Velvety brown, yellow margin
- 72—Emp. Franz Joseph—White blotched blue
- 74—Emp. Frederick—Maroon with gold edge
- 76—Fairy Queen—Azure blue, white edge
- 78—Freya—Purpleish violet, white edge
- 80—Gold-Edge—Velvety brown, gold edge
- 84—Superba—Orchid tints of red and wine
- 86—Sunlight—Yellow with brown blotches
- 88—Andromeda—Curled apple blossom
- 90—Colossea Venosa—Light veined shades
- 92—Almond Blossom—Delicate rose
- 94—Aurora—Terra cotta shades
- 96—Mammoth—Greenish yellow shades
- 97—The above 7 named Orchid mixed
- 98—Indigo Blue—Deep velvety blue
- 100—Light Blue shades
- 102—Minerva—Red ground, violet blotched
- 104—Meteor—Bright red brown.
- 106—Pres. McKinley—Yellow, dark blotched
- 108—Mahogany with white margin
- 110—Mahogany with yellow margin.
- 112—Mourning Clock—Black with white edge
- 114—Purple—Large rich deep color
- 116—Peacock—Blue, rosy face, white edge
- 118—Psyche—Curled white, five blotches
- 120—Pres. Carnot—White five blue blotches

- 126—Red—A collection of rich red shades.
- 128—Red Riding Hood—Curled and blotched
- 130—Rosy Morn—Purple crimson, white edge
- 132—Striped on lilac ground.
- 134—Striped on bronze ground
- 136—Victoria—Blood red, violet blotches
- 138—White, Large satiny white.
- 140—White with violet blotch
- 142—Yellow, Large golden yellow.
- 144—Yellow with dark blotch
- 40—34 to 144 mixed in equal proportions

For fuller description send for catalogue

RAINBOW is a mixture of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Obituary

Mrs. Martin Finaghty.

Mrs. Martin Finaghty, wife of Martin Finaghty, formerly in business at Lenox, Mass., and now employed in the Boston Park Department, died in Dorchester, Mass., on July 30.

Ruby B. Leslie.

Mrs. Ruby Bartholomew Leslie, daughter of George Bartholomew, well known and popular in florist trade circles, died on July 23, aged 29 years. She leaves her husband and infant daughter.

Mrs. John H. Newman.

Mrs. John H. Newman, wife of the well known florist, passed away Friday morning, July 31, at her home, in Woburn, Mass. She is survived by one daughter, and five sons. She was born in Ingatestone, Essex, England, and came to Woburn at an early age.

Estella Kaiser.

Estella Kaiser, wife of Louis Kaiser, a Flatbush retail florist, died Saturday, August 1, at her home, 1414 Cortelyou road, Brooklyn, N. Y. She was born in Brooklyn thirty years ago, a daughter of Mr. and Mrs. Michael Alexander, and besides her husband and parents is survived by a brother and one sister.

Henry Kahrs.

Henry Kahrs, head of the shipping department of Grimm & Gorly's, St.

Louis, died on Saturday, August 1, after a two weeks' illness of typhoid pneumonia at St. Mary's Hospital, at the age of 37. He was in Grimm & Gorly's employ for the past ten years and was well known in trade circles and highly thought of by his employers. The body was shipped to New York City Aug. 3, where burial took place, New York being his former home.

Theodore Bock.

Theodore Bock, one of the oldest florists in Ohio, committed suicide at the home of his brother in Hamilton, on July 27, owing to ill health. He retired from active business about a year ago and since that time had been in poor health. He was 68 years of age and is survived by several relatives in Germany, Canada and Ohio.

Thomas Mansfield.

Thomas Mansfield, florist, died suddenly at his home at Lockport, N. Y., on July 24, aged 75 years. Mr. Mansfield was for many years a member of the Society of American Florists and a very regular and always interested attendant at the annual conventions.

where his cheery, happy disposition made for him many personal friends.

E. W. Habermehl, Jr.

Edward W. Habermehl, Jr., of Philadelphia, son of Edward W. Habermehl, member of J. J. Habermehl's Sons, florists, was drowned Monday afternoon, August 3, in the Schuylkill river at Spring Mills. He was seized with cramps while trying to swim across the river, and went down before his chum and fellowcamper could reach him. The body was recovered an hour later. Young Habermehl and Brandt have been camping near Spring Mills since Saturday.

Habermehl was 22 years old in June. Since he left Brown Preparatory School a year ago he has been working with his father. He returned from a hunting trip to Canada about ten days ago. He was a good swimmer.

His mother died two years ago, and the boy was greatly affected by her loss. Mr. Habermehl went to Ocean City as soon as he had brought the body to the city, to notify his four daughters.

More Red Devil Cutters Used Annually Than All Others Combined



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Send 6c. for sample No. 024 and Booklet 10 styles, and understand why.

SEND FOR BOOKLET ANYHOW.

Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our **CHALLENGE PANSY** seed contains in the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not get a better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction. In every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance?"

½ trade pkt. 25 cts., trade pkt. 50 cts., ¼ oz. 75 cts.,
¼ oz. \$1.50, ½ oz., \$2.75, oz. \$5.00.

1914 NOVELTY PANSY SIM'S GOLD MEDAL MIXTURE

Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim (renowned for Sweet Peas), Cliftondale, Mass., and we are offering seed from the originator for the first time. Trade pkt. 75 cts., 3 pkts. for \$2.00, ¼ oz. \$3.50.

Boddington's Quality "English" Pansy

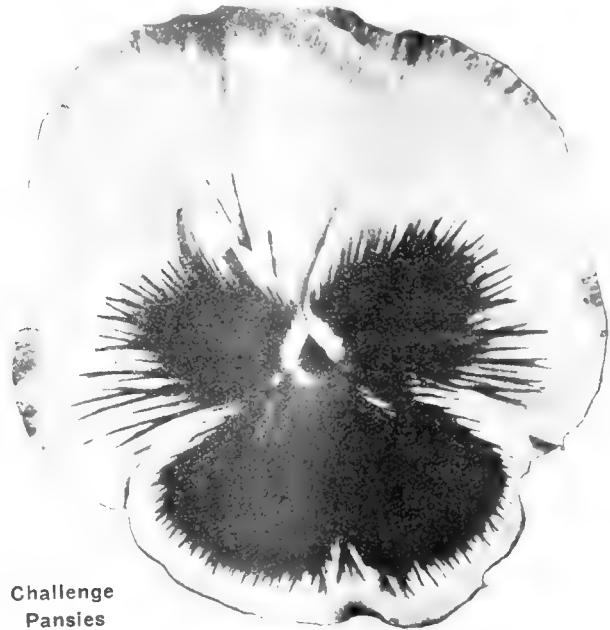
A superb strain of highly-colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms, and strongly recommends this mixture to florists.

Trade pkt. (500 seeds), \$1.00; ½ trade pkt. (250 seeds), 50c.
¼ oz., \$2.25; ½ oz., \$4.25; oz., \$8.00.

Other Choice Varieties of Giant Pansies

	Tr. pkt.	¼ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist.....	.50	2.75	10.00
Giant Trimardeau. Mammoth flowering, and in a good range of color.....	.15	.50	1.50
Giant Masterpiece (Frisled Pansy). Petals beautifully waved; exquisite colors.....	.25	1.25	4.00
Cassier's Giant. A fine strain of large, highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.15	.75	2.50
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	.15	.85	3.00
Giant Orchidaceflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamols, etc.	.25	1.75	4.00



Challenge Pansies

	Tr. pkt.	¼ oz.	Oz.
Giant Emperor William. Ultramarine blue, purple eye.....	\$0.10	\$0.50	\$1.50
Giant Golden Queen. Bright yellow; no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow; brown eye.....	.15	.75	2.50
Giant King of the Blacks (Faust). Black.....	.15	.60	2.00
Giant President McKinley. Golden yellow, large, dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.15	.75	2.50
Giant Pretiosa. Crimson rose, white margin, violet blotch.....		1.25	4.00
Giant Rosy Lilac.....	.15	.60	2.00
Giant White. Violet spot.....	.10	.60	2.00

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	.25
BRIDESMAID. Giant flowers of rosy white.....	.25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	.25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine.....	.25
PSYCHE. Violet, bordered white; beautifully waved petals.....	.25
PEACOCK. All the name implies; a most beautiful varicolored variety; peacock blue, edged white.....	.25
RUBY KING. Superb crimson and red shades.....	.25
SNOWFLAKE. Pure white; immense flower.....	.25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	.25
Collection of the above 10 varieties, one packet each, for \$2.00.	

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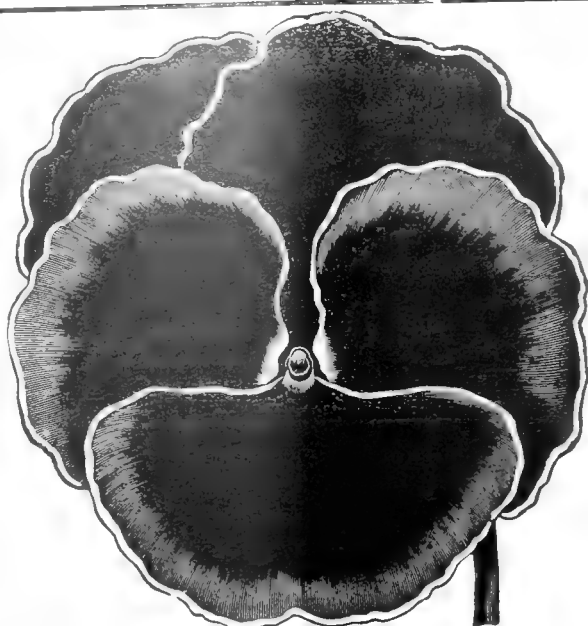
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Place your order now for Ayres' Winter Flowering
SWEET PEA SEED
S. BRYSON AYRES CO.
"Renowned Sweet Pea Specialists"
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"SEEDS WITH A LINEAGE"
Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.
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CARTER'S TESTED SEEDS, Inc.
160 Chamber of Commerce Bldg.
Boston, Mass.



Mitchell's Giant Prize Pansy

New Crop MICHELL'S New Crop GIANT PANSY SEED

GIANT EXHIBITION MIXED. A Giant Strain which for size of bloom, heavy texture and varied colors and shades cannot be surpassed. Half trade packet, 30c.; trade packet, 50c.; 1/8 oz., 75c.; per oz., \$5.00.

GIANT PRIZE VARIETIES IN SEPARATE COLORS

Azure Blue	Snow Queen
Black Blue	Striped and Mottled
Emperor William	White With Eye
King of the Blacks	Pure Yellow
Lord Beaconsfield	Yellow With Eye

Any of the above separate colors, 40c. per trade pkt.; per oz., \$1.75.

Hortensia Red, Peacock. Trade pkt., 40c.; \$2.50 per oz.

MYOSOTIS SEED

	Tr. Pkt.	Oz.
Alpestris Victoria	\$0.25	\$0.75
Eliza Fanrobert	.15	.75
Palustris	.30	1.75
Palustris Semperflorens	.25	1.50

Also all other Seasonable Seeds and Supplies which are Described in our Wholesale Catalogue and Price List. Send for one if you haven't received it.

HENRY F. MICHELL CO.
518 Market St., PHILA., PA.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

A. T. Boddington of New York has 1,000,000 Kentia seeds tied up in Hamburg.

Beets, carrots, radishes, cauliflower, cabbage and many varieties of turnips are among the important seeds which we look to Europe to supply this country with annually.

William Elliott & Sons are burnishing up the interior of their store at 42 Vesey street, New York City, adding new cabinets and retiring the old ones on a pension after their long and useful service.

Schenectady, N. Y.—A new seed store, to be known as the Empire Seed Company, opened for business last week at 144 Clinton street, and will handle seeds, grains, fertilizers and poultry supplies.

CATALOGUES RECEIVED.

W. E. Marshall & Co., New York—Bulbs, strawberry plants and seeds.

E. Neubert, Wandsbek, Germany—Wholesale price list of florists' plants.

Coolidge Rare Plant Gardens, Pasadena, Cal.—Illustrated list of tropical fruits, greenhouse ferns, etc.

J. Bolgiano & Son, Baltimore, Md.—Wholesale summer and fall catalogue for market gardeners, truckers and farmers. Illustrated.

Plymouth, Mass.—Fritz J. Schlecht will continue the business of Braunecker & Schlecht, the firm having dissolved.

RAISING HARDY PERENNIALS FROM SEED.

Can you furnish me with directions as to the methods employed by nursery concerns in raising perennial and other plants from seed in the open air. What is the size of the seed bed, how is it prepared, what is the usual distance between the rows, the length of the row, the manner of identifying the varieties of plants sown, giving the size of label if one is used, and such other information as would be helpful in this connection. As perennials are frequently slow to germinate, what is done to control the weeds between and in the rows, to prevent injury to the seedlings it is desired to preserve?

Thanking you in advance for any hints you may furnish particularly with regard to weed control, I am,

Yours truly,

C. P.

SIZE OF SEED BED. For all large seeds such as lupins, lathyrus, hollyhocks, etc., five row 4 ft. beds, with 15 in. walks. Fine seeds do better in frames that can be shaded with screens until they germinate.

HOW IS BED PREPARED? Manure and trench the ground in the fall, and in spring when the ground is dry enough, dig with spading fork and rake fine and form beds or frames according to the seed to be sown.

DISTANCE BETWEEN ROWS AND LENGTH OF ROWS. For plants that are to remain in the beds for a year or more, 8-in. to 1 foot. For plants that are to be transplanted early and are sown in frames, 3 or 4 inches. Length of rows to be convenient to water with hose in dry weather.

IDENTIFYING THE VARIETIES. Mark name on painted labels.

SIZE AND KIND OF LABEL. Twelve inch painted labels and sixteen inch for plants that are to remain where sown for any considerable length of time.

WEED CONTROL BETWEEN AND IN THE ROWS. Weeds between rows are best controlled by hoeing carefully when they are small, and by hand weeding in and along the rows also when small. Keep the ground stirred up between the rows with a narrow rake after rain or watering, when the

surface is about dry enough so the soil will not adhere to the rake. Small seeds are much better not to be disturbed. I find that cultivation with a narrow rake will keep the small weeds from getting ahead.

P. FORBHAM.

LILIUM MYRIOPHYLLUM FROM SEED. FORCING BULBS SECOND TIME.

I want to let some of my Liliun myriophyllum go to seed. How can I tell their maturity, the sowing and treatment after? Will such bulbs as Narcissus myriophyllum, grape hyacinths, produce the same quality of flowers if forced again the coming winter?

Very truly yours,

J. R.

Let the seed stay on Liliun myriophyllum as long as there is no danger of frost. They can be kept until March and then sowed in flats in the greenhouse and transplanted in summer or early fall to the open ground. Narcissi and grape hyacinths will produce fairly good flowers the second year provided the plants have been watered after flowering, the foliage allowed to remain, and such conditions given as will insure thorough development and maturing of the bulbs. Otherwise they will turn out much weaker than the previous year.

BUSINESS TROUBLES.

Calgary, B. C.—Cluny Nurseries, Ltd., voluntary bankruptcy.

Kalamazoo, Mich.—The H. A. Fisher Company, in voluntary bankruptcy; assets, \$9,930.65; liabilities, \$18,635.81.

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SALVIA—Splendens, Bonfire.
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Extra large size
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PANSY, Giant Superb Mixed, our own special strain. Cannot be surpassed. Convince yourself. 1-32 oz. 25c., 1/8 oz. 60c., 1/4 oz. \$1.35, 1 oz. \$5.00.

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—Firing Line, Times-Union.

OWING to the many cancellations and uncertainty caused by the war in Europe our list of foreign steamship sailings will be discontinued until further notice.

NEW FLOWER STORES.

Texas City, Tex.—J. D. Prussner.

Paola, Kan.—Hagemeyer Floral Co.
Detroit, Mich.—Miesel Bros., Mack avenue.

Baltimore, Md.—John Eberhart, 323 North Howard street.

Marshalltown, Ia.—James L. De mead, 123 East Main street.

St. Louis.—Otto Sander, who formerly had a retail store in the West End, and recently sold to Grimm & Gorly, has taken a position with Mulanphy Florists at their downtown store.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.

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**Artistic Designs . . .
High Grade Cut Blooms**

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Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Armstrong, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.
New London, Conn.—Reuter's.
New Haven, Conn.—J. N. Champion, 1026
Chapel St.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
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Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
St. Paul, Minn.—L. L. May & Co.
Stamford, Conn.—"Quality Shop;" Stam-
ford Seed & Nursery Co.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEWS NOTES.

Evansville, Ind.—Karl Zeidler has
purchased the florist business of the
Evansville Floral Co.

Lawrence, Mass.—Thornton Brothers,
florists and seedsmen, are now
established in their new home in the
Oswald Block. This is an ideal loca-
tion in the centre of the business dis-
trict. The store itself has not been
occupied before and has been fitted up
especially for the flower and seed
business. The flower window is one
of the prettiest in New England, and
an experienced window trimmer keeps
it up to the minute. They are to be
congratulated upon the business they
have built up, and they have received
the heartiest wishes for success in
their new home by many leading
seedsmen and florists throughout this
country and Europe.

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22 West 59th Street, adjoining Plaza Hotel
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1129 Arch St., Philadelphia, Pa.

KOMADA BROS.

Manufacturers of all Kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA

Clinton, Ind.—Herman G. Hershey has purchased the Sunnyside Greenhouses and will shortly open a retail store.

ST. LOUIS NOTES.

Mrs. Otto G. Koenig will entertain the Lady Florists' Home Circle on August 12 at her home on Florissant avenue.

R. J. Windler, state vice-president of the S. A. F., says he has booked quite a large delegation for the S. A. F. Convention. They will travel with the Chicago delegation.

Mr. and Mrs. Fred C. Weber, with the Misses Meinhardt, departed for an eastern trip on July 31, which will extend thirty days. While east they will take in the Boston Convention.

Miss M. S. Newman and Miss Armstrong are spending their vacation in Colorado. Their store at Olive street and Spring avenue is closed for the summer and will not be opened before September 1, when they return.

The Windler Wholesale Floral Co. are making quite a lot of improvements in their salesroom—a new enclosed office and new interior decoration. Frank Windler, the boss, will make the Boston trip with the local delegation.

The wind and hail storms the early part of the past week did some damage to the greenhouses in the northern part of the city. All in that section suffered some little by hail. If taken as one the damage would be quite heavy.

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A public house especially attractive to those who demand the best and prefer a homelike atmosphere.
Single rooms, from \$2. Combined parlor, bedroom and bathroom, from \$4. Self-contained suites. Special rates to permanent guests.
In summer a dinner is served in the roof garden.
Some globe trotters have been good enough to say that the Puritan is one of the most attractive hotels in the world.
An illustrated booklet of the hotel with guide to Boston and vicinity on the favor of your card.
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Large Cool Rooms, Delicious Home Cooking, Shaded Piazzas, Grounds and Shade Trees. Ten minutes from Mechanics Building. [Fifteen minutes to Business District. Allston via Huntington Avenue Cars.

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We fully realize the importance of sending out only the best, and inspect the plants in the field before we offer them to our customers. Let us quote you on your requirements.

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Roses								
Am. Beauty, Special.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	10.00	to 15.00	12.50	to 18.00
" No. 1.....	10.00	to 15.00	5.00	to 10.00	5.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Extra.....	10.00	to 15.00	5.00	to 10.00	5.00	to 10.00	6.00	to 10.00
" Ordinary.....	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00	6.00	to 10.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00	6.00	to 10.00
" Ordinary.....	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00
Maryland, Taft, Extra.....	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00	6.00	to 10.00
" Ordinary.....	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00
Russell, Shawyer.....	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00
Carnations, Fancy.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
" Ordinary.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Cattleyas.....	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
Lilies, Longiflorum.....	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00
Lily of the Valley.....	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00
Asters.....	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00
Gladioli.....	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00	2.00	to 5.00
Corn Flower.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Paisies, white and yellow.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Sweet Peas.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Gardenias.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Adiantum.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Smilax.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Asparagus Plumosus, Strings (100).....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" " & Spreng. (100 bchs.).....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00

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Flower Market Reports

BOSTON The flower market is at the lowest stage of the season this week, there being no call for anything beyond a few white flowers. There is a scarcity of presentable sweet peas and good white roses. Asters and gladioli are heaped up with no takers. Roses, with the exception of good white ones are very plentiful. Perhaps lilies and Beauties are the brightest spots in the dull picture presented. The seaside resorts are stagnated as never before and there is no probability now of any revival of gaiety to help out the flower situation.

Very little to report on **BUFFALO** market condition. although the trade at this time has been up to that of last year. The market is filling up on gladioli mostly of the mixed and ordinary quality and hard to move to advantage. America is the best and these clean up. Augusta has been quite plentiful and they too have taken fairly well. Roses are not coming in quite so heavy and clean up more satisfactorily. Fancy asters are not plentiful and sell rapidly. There are some fine lilies in rubrum, album, auratum and magnificum. Some good sweet peas are seen. On Saturday there was a good cleaning up on most everything.

CHICAGO It would be hard to convince some wholesale florists that trade was so quiet last year or the year before and no one seems to care to try. The best argument is an appeal to the books and every one in the business has an

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON August 6		ST. LOUIS August 3		PHILA. August 4	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra	6.00	to 12.00	15.00	to 18.00	12.50	to 15.00
" " No. 1	2.00	to 4.00	5.00	to 10.00	10.00	to 1.00
Killarney, Richmond, Extra	3.00	to 6.00	4.00	to 6.00	3.00	to 6.00
" " Ordinary	.25	to 2.00	2.00	to 3.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 6.00	5.00	to 6.00	3.00	to 8.00
" " Ordinary	.50	to 2.00	3.00	to 4.00	1.00	to 2.00
Maryland, Taft, Extra	3.00	to 6.00	4.00	to 6.00	3.00	to 8.00
" " Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 2.00
Russell, Sawyer	3.00	to 12.00	5.00	to 10.00	...	to ...
Carnations, Fancy	1.00	to 1.50	2.00	to 3.00	1.00	to 2.00
" " Ordinary	...	to .75	.75	to 1.00	...	to ...
Cattleyas	15.00	to 30.00	40.00	to 50.00	30.00	to 50.00
Lilies, Longiflorum	4.00	to 6.00	8.00	to 10.00	8.00	to 15.00
Lily of the Valley	2.00	to 3.00	2.00	to 5.00	1.00	to 4.00
Asters	15	to 1.00	2.00	to 0	1.00	to 3.00
Gladioli	1.50	to 3.00	1.00	to 5.00	1.00	to 3.00
Corn Flower	...	to .25	.25	to .40	...	to ...
Daisies, white and yellow	...	to .50	.75	to 2.00	...	to ...
Sweet Peas	.10	to .25	.20	to .40	.35	to .50
Gardenias	...	to ...	...	to ...	...	to ...
Adiantum	.75	to 1.00	1.00	to 1.25	.50	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	...	to ...
Asparagus Plumosus, Strings (100)	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Spren. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	25.00	to 35.00

abundance of time to look up sales. The opening of the last month of summer was uneventful and showed no change in the general apathy of the market. Asters are making a record, as was predicted in the spring. Their growth was stunted by the early heat and not only are the stems short but the blooms are lacking in substance. An extremely small proportion bring the top price, which is not high. In roses Mrs. Russell still leads at Poehlmann Bros', where the best ones run to 40 in. and sell for \$2.50 per dozen. In all the varieties of roses the proportion of short ones is very large. Beauties are not so plentiful as earlier in the summer. Lilies are selling very slowly. Lily of the valley is not much in demand. A few extra carnations bring \$2.00 and many more bring

nothing. Orchids sell fairly well for there are very few coming into the market. A good variety of outside flowers is on the counter and plenty of all kinds of green is offered.

The call for stock in **CINCINNATI** this market is fair and steady but not very large, while receipts on the other hand are large and apparently increasing in size each day. As a result there has been considerable crowding in the market. Prices are not very high. Gladioli and asters hold the leading positions. The supply of each is large and comprises many blooms of the best quality. These good blooms alone find a market. The rose supply continues heavy. The general inferior quality of the bulk of the stock

Continued on Page 17

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Aug. 1 1914		First Half of Week beginning Aug. 3 1914	
American Beauty, Special	12.00	to 15.00	12.00	to 15.00
" " Fancy and Extra	8.00	to 10.00	8.00	to 10.00
" " No. 1	2.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Maryland, Taft, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Russell, Sawyer	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy Grade	1.00	to 2.00	1.00	to 2.00
" " Ordinary50	to 1.00	.50	to 1.00

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Telephone, 167 and 4468 Mad. Sq.

Flower Market Reports

(Continued on page 191)

is the direct cause for slow sales. The American Beauty cut has shortened considerably. Limited quantities of good Lilium auratum and rubrum may be had. Other stock includes tuberose, dahlias and hydrangeas.

The flower market **NEW YORK** seems to interest nobody at the present time and these notes will probably meet with the same fate. The impression one gets in passing along the wholesale stores is a sensation of tomblike silence and desertion, relieved by miniature mountains of gladioli and asters. These two items constitute about nine-tenths of the entire bulk of each day's receipts. As to quality, the are both excellent. There is a moderate supply of roses—mostly small stuff. The yellows seem to predominate but whites are scarcely in evidence. Hadley shows up well and is evidently a great acquisition as a summer rose. Cattleyas have reduced in numbers, but that does not help much as there is no demand for them. Carnations are very few.

The irregularity of the local market is caused by the summer dullness, and the conditions are such that it is hard to quote correct prices as the market has stood during the past week. Demand is light and ordinary stock of all kinds is plenty, but really first-class stock is hard to find in any quantities. Carnations are completely off crop, and the few coming in are several points shy of first-grade stock. Gladioli and asters are now received in large quantities, also good shasta daisies and lilies.

WASHINGTON Business during the month of July was about normal, for when summer comes there is little doing in the National Capital and the florists are not at all disappointed. A few flowers are sold each day, just enough to keep some little activity. The weather last week was very variable. Hail storms did some little damage, particularly at Mount Vernon where lightning injured some of the old trees and the wind broke down some of the plants. The cold wave stopped the inrush of flowers to a certain extent but with the mercury rising the market is again being flooded. Low prices generally prevail and more often the grower or jobber is glad to accept what the retailer offers.

VISITORS' REGISTER.

New York—Robert Craig, Philadelphia.

Atlanta, Ga.—Dr. George E. Stone, Amherst, Mass.

St. Louis.—W. W. Randall and M. A. Leyanger, Chicago.

Boston—Thomas Knight, New York; John Young, New York.

Haines' Falls, N. Y.—Frank McMahon and wife, Seabright, N. J.

Cincinnati—Joseph Hill, Richmond, Ind.; R. C. Chase, Chase, Ala.; F. J. Farney of Rice Co., Philadelphia, Pa.

The Montreal Floral Exchange reports trade completely paralyzed in that city, most of the business houses being closed and the streets filled with marching soldiery. The harbor is closed also the entire St. Lawrence river being in Quebec and Montreal.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 1 1914		First Half of Week beginning Aug. 3 1914	
Cattleyas.....	15.00	to 15.00	15.00	to 4.00
Lilies, Longiflorum.....	2.00	to 3.00	2.00	to 4.00
" Rubrum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Asters.....	.50	to 1.00	.50	to 1.00
Gladioli.....	2.00	to 3.00	1.00	to 3.00
Corn Flower.....	..	to .25	..	to .25
Daisies, white and yellow.....	..	to .50	..	to .50
Sweet Peas (per 100 bunches).....	1.00	to 5.00	1.00	to 5.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	25.00	to 35.00
& Spreng (100 bunches).....	15.00	to 20.00	15.00	to 20.00

CHICAGO NOTES.

The Chicago special park commission lost a valuable member and chairman in the death of Alderman Beilfuss, July 30. Under his leadership Chicago's system of small parks developed rapidly and has become a source of pride to the city. He had been a member of the council ten years.

The trials of the retailers during the dull summer months, when expenses must be met, are not a few, and not the least is the competition of the ten-cent stores. This week the writer saw bunches of nine Sunburst roses, six to eight inches in length, with plenty of ferns, offered for ten cents and wondered where the stores secured them.

Fred Lautenschlager of Kroeschell Bros., leaves Chicago, Aug. 10, for Boston, where he will see that the Kroeschell exhibit is in perfect order. A car load, including a greenhouse boiler and all the necessary fittings, left this week. The space taken this year by the firm is unusually large and the display will be the most complete one ever made by this firm, whose boilers are known all over the world.

A. Henderson, of the A. Henderson Seed Co., left Chicago last week, and sailed from New York on the Ryndam, of the Holland-America line, on July 25th. He should reach Amsterdam Aug. 6 and expected to spend a little time looking into the bulb situation. Mr. Henderson has a father in Aberdeen, Scotland, and a visit to his old home is the real object of the trip. The foreign complications since his leaving home are causing Mrs. Henderson much anxiety.

There is much speculation among Chicago growers as to the effect of the European war on azaleas and bulbous stock. If the countries of supply cannot ship into the United States and we are cut off much of the winter's business will be lost. If, on the other hand, these countries can ship here and not elsewhere, there will be thrown on the market such a quantity of stock as will demoralize prices. Another probability would be the injury to stock from transportation delay for any length of time.

Last week the city hall was added to the long list of downtown buildings, whose first floor windows have been decorated with well-filled plant boxes. The cost is said to have been \$375.00. If another year brings an equally large advance in the window-box movement, as has been made this year over the small beginning of a year ago, the "loop" will no longer be the barren stretch of burning walls but an inviting place for the summer visitor as well as a less trying place for the summer worker.

Lester E. Partridge, of Sharp, Partridge & Co., and Mrs. Partridge, have returned from an eastern trip, including a stop at Atlantic City, where a meeting of the Glass Manufacturers' Association was in progress. In discussing the glass situation, Mr. Partridge expressed himself as feeling certain that the outlook shows no possibility of lower prices during the fall. As no glass can be imported from Belgium at present, there will be extra demand to supply California and Canada, which have been getting their supply largely from Belgium.

CINCINNATI NOTES.

Wm. Sunderbruch has just returned from a trip to New Mexico.

The floral exhibit at the Carthage Fair will be held on Thursday, August 13. The entrants have not as yet been announced but it is probable that T. Ben. George, who has a habit of winning most first prizes will again be among those exhibiting.

Dan Carmichael of J. M. McCullough's Sons Co., has announced his intention of attending the S. A. F. Convention in Boston. Other Cincinnatians who will be present are Mr. and Mrs. C. E. Critchell, Mr. and Mrs. L. H. Kyrk, Mr. and Mrs. J. A. Peterson. The last four named will go in one of their motor cars.

PERSONAL.

A. Henderson, Chicago, sailed for Europe on the Rhyndam last week.

Miss Winkelhouse, Wm. Elliott & Sons' winsome and ever-courteous office clerk at 42 Vesey street, New York, has returned from her vacation.

Julius A. Wolff, son of Julius Wolff, florist, of Philadelphia, surprised his parents on July 30 with a telegram from St. Louis, announcing his marriage to Miss Marjorie Adams, that city. Neither the young man's friends nor his family had any idea that he was even engaged. The telegram said he was on his way with his bride to visit his parents at their summer cottage at Avalon, N. J. Wolff is about 25 years old, and has lived in St. Louis four years.

John Donaldson, who has now got well settled down in his new home at Patchogue, Long Island, had a visit from the board of directors of the Cut Flower Exchange, from which he has just retired, one day last week. They came in autos, the party numbering fifteen and everybody had a royal time. A fine field glass was presented to Mr. Donaldson as a token of esteem. He can now sit on top of his house and spy out what is going on in New York without having to make the trip.

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Nicotine Mfg. Co., St. Louis, Mo.
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ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and Florence Davenport, 2½ in. pots. Delivery from May 15th. JULIUS ROEHRS CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
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Hitchings & Co., New York City.

King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTEN & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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Bobbink & Atkins, Rutherford, N. J.
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BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
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August Rolker & Sons, New York City.
Holland and Japan Bulbs.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
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Magnum Bonum Nursery, Holland, Mich.
Calla Bulbs.
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Thousands of plants from 6 in.-9 in. pots, covered with flowering buds—in many varieties. JULIUS ROEHRS CO., Rutherford, N. J.

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Wm. Elliott & Sons, New York City.

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Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Leo Niessen Co., Philadelphia, Pa.
Field Grown Carnation Plants.
For page see List of Advertisers.

Pink Delight. 5000 good field plants ready to bench. \$80.00 per 1000. Cash please. A few thousand and other sorts. STROUTS, Biddeford, Me.

FIELD GROWN CARNATIONS

Ready Now.
Best stock we have ever had of the Novelties and Standards.
Write for prices.

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CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple. 2000 for \$1.00 post paid. L. L. PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Emmet D. Smith & Co., New York City.
Chrysanthemum Novelties for Fall

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CONVENTION HOTEL ACCOMMODATIONS

Hotel Nottingham, Boston, Mass.
For page see List of Advertisers.

Hotel Victoria, Boston, Mass.
For page see List of Advertisers.

Hotel Puritan, Boston, Mass.
For page see List of Advertisers.

Hotel Brunswick, Boston, Mass.
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Martin & Gillies, Brookline, Mass.
For page see List of Advertisers.

CHRISTMAS PEPPERS

Christmas Peppers Birdseye, extra fine stock plants in bloom. 2½ in., \$2.50 per 100; 4 in. in fruit, \$6.00 per 100. CARL MAN RIBSAM, 31 Wall St., Trenton, N. J.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen, best German strain, in fine assorted colors; good stock out of 2½ in. pots at \$5.00 per 100. J. H. FIESSER, North Bergen, N. J.

Cyclamen from 3½ in. pots, \$15.00 per 100; 4 in., \$25.00 per 100; 5 in., \$50.00 per 100. Finest strain, separate colors. JULIUS ROEHRS CO., Rutherford, N. J.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

FERNS

McHutchison & Co., New York City.
Ferns in Flats.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

For List of Advertisers See Page 167

FERNS—(Continued)

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Ernest Oechslin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Sanderson Fertilizer and Chemical Co.,
New Haven, Conn.
South American Sheep and Goat Manure.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

B. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
Wedding Accessories.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

B. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Geraniums, La Favorite, Perkins, Jean Oberle, Richard, Landry, Co. Thomas, Dagata, Vland, \$2.00 per 100, \$1.50 per 1000. Clair Prenot, Luigi Grandi, Mrs. E. G. Hill, Poitevine, Mrs. Annie Vincent, \$2.50 per 100, \$20.00 per 1000. Ruby \$4.00 per 100. S. A. Nutt at the special price of \$1.75 per 100, \$16.00 per 1000. The above is all fine stock in two inch pots. Write for Catalogue, F. H. DEWITT & COMPANY, Wooster, Ohio.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Hitchings & Co., New York City.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L. MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Ray State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Hammond Slug Shot Works, Beacon, N. Y.
Hammond's Grape Dust.
For page see List of Advertisers.

IRIS**THE IRIS! THE IRIS!**

200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per root. Some of the finest on earth. Send 10 cents for Iris manual. C. S. HARRISON SELECT NURSERY, York, Nebr.

JERUSALEM CHERRIES

Jerusalem Cherry, out of 2 1/2 in. pots at \$3.00 per 100. J. H. FIESSER, North Bergen, N. J.

Jerusalem Cherries, fine strong and bushy plants ready for a 4 in. sbft. Fra Diavola (new) and Capsicastrum, 2 1/2 in., \$2.50 per 100; \$22.00 per 1000; 4 in., extra fine, \$6.00 per 100. CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY PIPS

August Rolker & Sons, New York City.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

PALMS, ETC.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PANSY SEED

Henry F. Michell Co., Philadelphia, Pa.
Giant Prize Pansy Seed.
For page see List of Advertisers.

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

A. T. Boddington, New York City
Gigantic Pansy Seed.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
New Crop Pansy Seed.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

PEONIES.

S. G. Harris, Tarrytown, N. Y.
For page see List of Advertisers.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Special-
ist, Chenonceaux, France.

Peonies: Marie Lemoine and other fine
varieties. Write for list. THOMAS J.
OBERLIN, Sinking Spring, Pa.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Sbelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

POINSETTIAS

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

PRIMULA MALACOIDES

A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

ROSES—Continued

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Gude Bros. Co., Washington, D. C.
Pink and White Killarney Rose Plants.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Mignonette Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Mignonette and Pansy Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford,
Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
Pansy Seed.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and
orchid basket always on hand. LAGER
& HURRELL, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country-
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

For List of Advertisers See Page 167

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued**New York—Continued**

The S. S. Pennock-Meehan Co., 117 West 28th St.

For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**BULBS.**

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

CONVENTION EXHIBIT.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

CONVENTION EXHIBIT OF GLADIOLI.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

CONVENTION HOTEL ACCOMMODATIONS.

Copley Square Hotel, Boston, Mass.
For page see List of Advertisers.

FRENCH BULBS—INSECTICIDES—FERTILIZERS.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

HYDRANGEAS AND POINSETTIAS.

Anton Schmitheis, College Point, L. I., N. Y.
For page see List of Advertisers.

NICO FUME LIQUID AND PAPER.

Roman J. Irwin, New York City.
For page see List of Advertisers.

PLANT FOOD.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM—GLASS AND WOODEN FORCING FRAMES.

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPECIALS IN PALMS AND DECORATIVE PLANTS.

Henry A. Droer, Philadelphia, Pa.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE

FOR SALE—Large place in New Jersey, near New York City; 30,000 feet of glass, large dwelling and furniture, barn, horses, and automobile; well established business, local and wholesale; also large landscape business. Place is near trolley and railroad, and is in first class condition, all up-to-date improvements. Price very reasonable; owner must sell at once, going west. Particulars CHAS. MILLANG, 55 W. 26 St., New York City.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELISKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Florist refrigerator and also cash register made especially for the florist business. For sale cheap. **OSGOOD BROS.**, 287 Elm St., Everett, Mass.

FOR RENT

FOR RENT—Greenhouse range, six houses about 10,000 sq. ft. of glass, with store and sheds attached, in very favorable retail location. Write for particulars, giving references as to financial responsibility, character, etc. **CURRIE BROS. CO.**, Milwaukee, Wis.

MISCELLANEOUS

WANTED TO BUY OR LEASE commercial greenhouse plant, modern construction, within twenty miles or so of Boston. Write description and terms to "W. T." care HORTICULTURE.

LAST WORD To Advertisers BOSTON Convention Number NEXT WEEK

Be Sure to
Show Up in
HORTICULTURE
THE BOSTON PAPER

In writing to Advertisers kindly mention Horticulture



HAMMOND'S GRAPE DUST

**For Use Against
Mildew and Blights**

GRAPE DUST is a readily diffusible, light-weight powder. Fungicide, for destroying Mildew and preventing Blights; also for destroying the Aphids and Black Fly. It is packed in 5 and 10 pound packages; also in 25 pound bags, 100 pound kegs, and barrels of 225 pounds, net. Kept in stock and sold by the leading Seedsmen in America. Dust by use of bellows.



EXPERIENCE OF FLORISTS AND GARDENERS MILDEW ON ROSES, CARNATIONS, ETC. IT IS SIMPLE AND EASILY APPLIED

Mr. B. Hammond.

Dear Sir: Replying to your inquiries regarding "Grape Dust," would say that we use it solely on Roses, Carnations and Chrysanthemums. As a fungicide we have not found anything to equal it; it is simple and easily applied. We close down the ventilators and fill the house with dust blown through the bellows; when the dust has settled down we ventilate again, putting on a little air as required. We have been using your "Grape Dust" with good results for the last fourteen years.

Yours truly,

JAMES BLAIR.

Staatsburg, N. Y., May 25, 1908.

VALLEY VIEW GREENHOUSES.

Velle Bros., Props.

Growers of Choice Cut Flowers.

Marlborough, N. Y., July 9, 1908.

Mr. B. Hammond.

Dear Sir: Your letter asking our opinion of the qualities of "Grape Dust" received. We have used "Grape Dust" on Carnations, Chrysanthemums and Asters, and we find it an excellent thing for keeping the plants in a healthful condition. No greenhouse establishment should be without "Grape Dust." We find it O. K.

Yours truly,

VELIE BROS.

I find your "Grape Dust" the most efficacious remedy for "Mildew" on roses that I have tried, and cheerfully recommend it to the trade.

Yours truly,

CHAS. P. ANDERSON.

The John Henderson Co., Rose Growers.

Flushing, N. Y., Aug. 1889.

The "Grape Dust" is sudden death to Mildew in greenhouses.

E. A. BRAINERD, Florist, 7 Main Street.

Easthampton, Mass., April 4, 1889.

ROBERT SIMPSON, Rose Grower.

Clifton, N. J., Oct. 11th, 1907.

Dear Mr. Hammond: In reply to your inquiry regarding my experience with "Grape Dust," would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for Mildew on roses. I do not know anything about its constituents, nor do I care so long as it does the work and is as economical as anything else on the market. During the summer when the steam pipes cannot be brought into use to check Mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than Sulphur, because it is much lighter and finer in texture; a given number of pounds will cover more than twice the number of plants; will cover them more thoroughly, and can be put on with a bellows in about one-fourth the time that would be required for Sulphur. The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.

With best wishes, I am yours very truly,

ROBERT SIMPSON.

Poughkeepsie, N. Y., Jan. 25th, 1912.

Benjamin Hammond, Esq.

Dear Sir: Please send me 25 lbs. "Grape Dust" as soon as possible. I find it is the only thing for Mildew on Roses. We have used it successfully for many years past.

Very truly,

CONRAD C. GINDRA.

First used in California in 1890 at Menlo Park, San Mateo County.

HAMMOND'S SLUG SHOT WORKS, BEACON, (Fishkill on Hudson) N. Y.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:

\$2.75 per 112 lbs.; \$12.50 per 560 lbs.

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SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

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EASTERN CHEMICAL CO., BOSTON

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

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CATTLE MANURE
Rose and Plant Growers

Now is the time to get Cattle Manure into your bench and potting soil. Its peculiar action and effect cannot be had with anything else. Splendid quality being packed right now. Order today.

The Pulverized Manure Co.,



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SHEEP MANURE
Garnation Growers

Can't afford to make beds or set plants without it. Wizard Brand is pure, full strength, weed seeds killed uniform and reliable. Ask your Supply House for Wizard Brand or write us direct.

31 Union Stock Yards, Chicago

1000 TONS OF OUR SOUTH AMERICAN SHEEP AND GOAT MANURE

now in our warehouses, together with 1000 tons more now ordered from South America, will not begin to fill the demand for it once the Florists get to know this stuff.

**ONE LOOK
 TOUCH
 SMELL**

of this article tells a Florist instantly that this is

Pure Sheep and Goat Manure

better than any he has ever run across before. There is absolutely no straw, dirt, sand or foreign substance of any kind in it.

Wherever we have filled an order so far we have always received several more from the same neighborhood.

For top dressing any crop, for mixing with the soil or for making an ideal manure water, there is no purer, safer or more economical article to be had.

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Sole Importers and Distributors for New England

NEW HAVEN, CONNECTICUT



NIKOTEEN 30 Per Cent Strength For Spraying
APHIS PUNK For Fumigating

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This is the Real Nature's Humus. Put it on your lawn this spring. Don't let it burn up, or stand all summer hose in hand.

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The Ideal Plant Food.
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Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**

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are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

"40% NICOTINE"

\$13.00 Gallon — \$3.75 Quart — \$2.00 Pint.

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A 12% Nicotine solution properly diluted for vaporizing and fumigating.

\$1.50 Gallon — \$1.50 Quart.



The Recognized Standard Insecticide For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$2.50 Gallon — \$1.00 Quart.

FUNGINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

\$2.00 Gallon — 75c. Quart.

VERMINE

For cut and wire worms working in the soil. It can be applied to all vegetation.

\$3.00 Gallon — \$1.00 Quart.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

\$1.50 Gallon — 75c. Quart.

If you cannot obtain our products from your local dealer, send us your order with remittance and we will ship immediately through our nearest agent.

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Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.Visit our extensive exhibit at Mechanics Hall and Convention Garden, Boston,
During S. A. F. and O. H. Convention**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
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Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Baltimore, Md.—Chas. Siegwart, one house.

Hanover, Mass.—J. W. Beal, one house.

Media, Pa.—P. G. Vervaecke, house 42x118.

Reading, Pa.—John H. Giles, re-building.

Paola, Kan.—Hagemeyer Floral Co., one house.

Greensboro, N. C.—Howard Gardiner, addition.

Chalfont, Pa.—Chalfont Cut Flower Co., one house.

Toledo, O.—Paul Timm, repairing and rebuilding.

Erie, Pa.—L. A. Spoden, Parade street, one house.

Rutland, Vt.—G. E. Hunt, Church street, one house.

Charleroi, Pa.—Joseph Haube, two houses each 20x100.

Waterbury, Ct.—Ralph Dileo, Hamden avenue, one house.

Allentown, Pa.—Lewis S. Baker, Turner street, one house.

Whitestone, N. Y.—J. McMullen, Hurd avenue, two houses.

Newport, R. I.—Mrs. W. W. Sherman, Shepard avenue, one house.

Gloversville, N. Y.—Richard Loeben, two rose houses; Peck Floral Company, one house.

Rochester, N. Y.—Clifford & Son, Lord & Burnham carnation house; Charles E. Fry, additions.

FIRES.

Richmond, Ind.—A loss of \$5,000 was sustained by the E. G. Hill Company on July 25th, caused by fire in the barns and adjacent buildings.

Troy, N. Y.—Sambrook Bros., florists, suffered a damage of about \$200 by fire which destroyed the building of the Standard Press and adjoining property on August 3.

NEW CORPORATIONS.

Louisville, Ky.—Louisville Chemical Co., spraying fluids for florists, capital stock, \$10,000.

Pawtucket, R. I.—M. J. Leach & Sons, florists, capital stock, \$40,000. Incorporators, Matthew J., Herbert A. and Edward I. Leach.

Columbus, O.—Hardesty-Schory Co., growers, capital stock, \$10,000. Incorporators, Albert H. and Minnie B. Y. Schory, Paul, George A. and Georgianna Hardesty.

PATENT GRANTED.

1,104,291. Lawn mower. Joseph Chester Clark, San Angelo, Tex.

Sleepy Eye, Minn.—A. W. Harris has purchased the business and property of the Palmyre Greenhouses, and has renamed the place after the Indian chief, Ish-tak-ha-ba, signifying Sleepy Eye.

Skinner Irrigation System

For Farm, Garden and Lawn

**BARRIE GLASS FORCING
FRAMES****WOODEN MELON FRAMES****GEO. N. BARRIE**
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The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.**POISON KIL - WORM POISON**

Destroys Worms, Ants, etc., infesting Golf, Cricket Grounds, Parks and Lawns. Sure death to Snails. Does not injure Grass; causes the insects to come to the surface to die. (Must not come in contact with fine plants.)

One gallon Kil-Worm makes 50 gallons liquid when mixed with water.

1 qt., \$1.00; ½ gal., \$1.75; 1 gal., \$3.00; 5 gals., \$13.50.

POISON KIL - WEED POISON

A scientific Weed Destroyer—free from odor. An unsurpassed preparation for the removal of Grass, Weeds, Vines and Bushes from paths, etc. Saves expense of several men; can be applied with an ordinary sprinkling can.

One gallon Kil-Weed makes 30 to 35 gallons liquid when mixed with water.

1 qt., 35c.; ½ gal., 60c.; 1 gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; 1 barrel, per gal., 65c.

LEMON OIL COMPANY, Dept.

420 W. Lexington St., Baltimore, Md.

Directions on every pkg.; write for circular.

PLANTLIFE**PLANTLIFE** has several advantages over Liquid insecticides on the market. Containing refined tobacco dust it can be used to mix with the soil, acting as an excellent fertilizer, at the same time destroying worms and insects in the ground before they have a chance to reach the plant.**PLANTLIFE** has been found very effective in ridding greenhouses of insects by dusting on plants. When dry, use for dusting about once a week.

Put up in bulk for greenhouse men; in packages for retail trade.

Bag of 100 lbs. \$3.50.

Let us quote you prices in quantity.

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NEW YORK, N.Y.****1000 READY PACKED CRATES****STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1½ in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 " "	4.88	450 4½ " "	5.24
1500 2¼ " "	5.25	320 5 " "	4.51
1500 2½ " "	6.00	210 5½ " "	3.78
1000 3 " "	5.00	144 6 " "	3.16
800 3½ " "	5.80	120 7 " "	4.20
		60 8 " "	3.00

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for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

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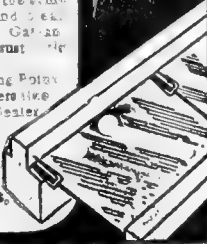
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The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.
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USE IT NOW.
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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32 feet or longer
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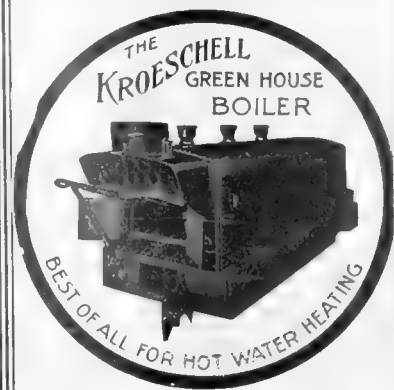
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OUR PRICES WILL PROVE THIS.

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No More Cast Iron Boilers

I have used several different makes of boilers but none I like as well as yours.

The Kroeschell is easier to fire, takes less coal and water circulates quicker than any other boiler.

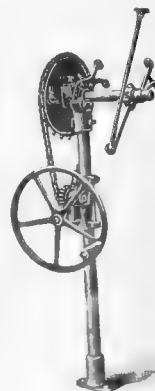
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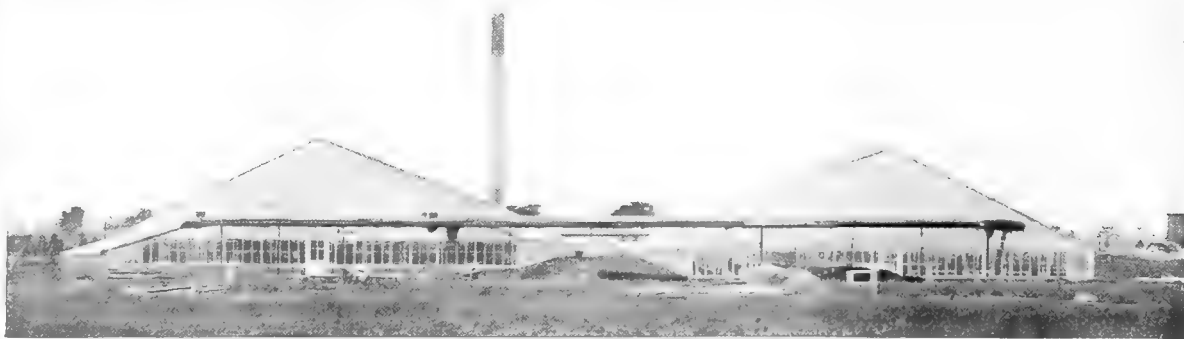
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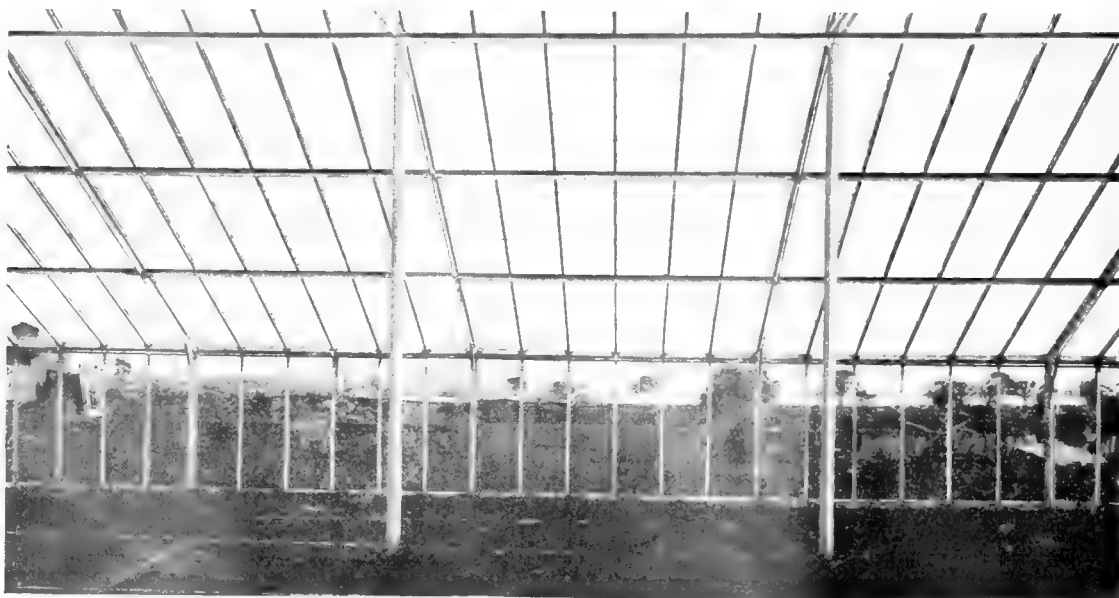
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It is a model range, with concrete power house, elevated tracks for coal supply and all that sort of thing.

against the two L. & B. iron frame houses without an impression. Scarcely any glass was even cracked—none loosened. When you think that these houses were hit broadside by the gale, it's practically impossible to form any idea of the tremendous pressure they were under both on the exposed side; and the suction strain on the opposite side caused by the vacuum formed by the wind passing with such rapidity and force over the ridge. We believe it to be the most severe test our big houses have ever been subjected. We tell it to you as a matter of conviction.



The columns are double steel angles, riveted together.

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HORTICULTURE

VOL. XX

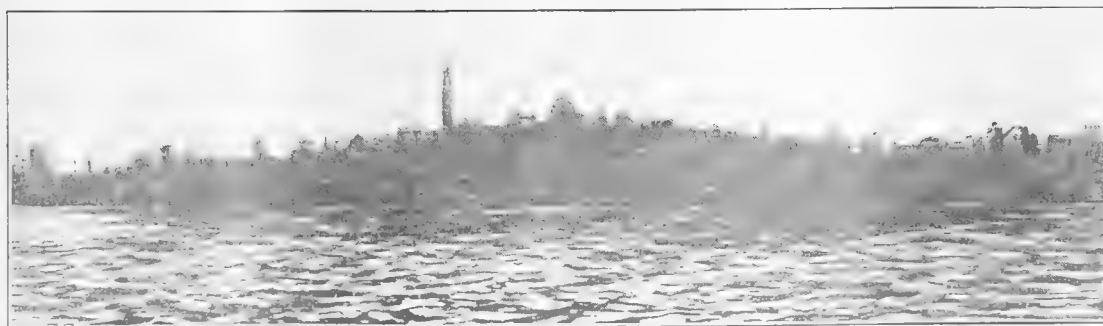
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No. 7

Boston

Convention Number

1914



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EXCELSA and DELIGHT

All the foregoing when grown in the open flower freely a second time in September. No rose garden is up-to-date without these superb climbers.

I have a fine stock of these as well as many others of my productions for delivery this fall, including strong two-year and three-year old plants for florists' forcing purposes. *Also all the leading varieties in Hybrid Perpetuals and Hybrid Teas.*

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We have a splendid lot of good three inch pot plants ready for immediate shipment in a fine assortment of colors for winter blooming \$3.00 per 100, \$25.00 per 1,000.

As noted in the trade papers a short time ago, there is a growing demand for a greater variety of colors. We have the best assortment in the Country; our standard list of doubles and semi-doubles contains forty-five distinct and different varieties. Then we have a good list of standard single sorts; besides the newer kinds and novelties.

We are booking orders for next season's delivery at \$2.00

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Everybody who grows Geraniums should have our catalogue. Ask for it.

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Alyssum, Giant and Double; Swainsonia White and Pink; Hardy English Ivy, \$2.00 per 100, \$18.50 per 1,000.

Look for Maryland and Scarlet Bedder at the Convention, then see us.

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Lily of the Valley Pips
Palms, Azaleas, Etc.

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Place Your Import Orders Now For Fall Delivery, 1914

LIL. GIGANTEUMS AND MULTIFLORUMS
[HOHMANN'S LILY OF THE VALLEY

Paper White Narc. & Roman Hyacinths, Dutch Bulbs,
English Golden Spur, Azaleas, Palms, Roses, Etc.

Write for Prices

LIST OF ADVERTISERS

	Page		Page		Page		Page		Page
Advance Co.	267	Clarke's D. Sons	242	Graham Adam	242	Leonard Seed Co.	231	Pierce, F. O.	261
Albany Cut		Collindale Green	229	& Son	242	Loechner & Co.	203	Pierston, A. N.	204
Flower Ex.	253-256	houses	229	Gude Bros.	243	Magnum Bonum		Pierston, F. R. Co.	244
Allen, J. K.	251-256	Conard & Jones	239	Hail Association	261	Nursery	239	Plant Food Co.	
Anderson, S. A.	243	Copley Square		Hall & Robin-		May & Co., L. L.	243	20th Century	261
Aphine Mfg. Co.	263	Hotel	244	son	243	McCarthy, N. F.		Plantlife Co.	263
Aschmann, G.	229	Cowee, W. J.	254	Harris, S. G.	238	& Co.	250-254	Poehlmann Bros.	
Asmus, Geo.	243	Craig, Robt. Co.	207	Hart, Geo. B.	256	McConnell, Alex.	242	206-227-254	
Ayres Co., S.		Dards	242	Heacock, Jos.	229	McHutchison &		Pulverized Ma-	
Bryson	231	Davenport, A. M.	229	Henderson, A. &		Co.	229	nure Co.	263-265
Badgley, Riedel		Dietsch, A. Co.	265	Henderson, Peter	236	McKenna & Son,		Quaker City Ma-	
& Meyer	256	Dorner, F. &		Hess & Swoboda	242	P.	243	chine Co.	265
Barrie, Geo. N.	264	Dreer, H. A.		Hicks, Isaac &		McKenzie, John	229	Randall's Flower	
Barrows & Son	229	Dunlop, John H.	243	Co.	264	McManus, Jas.		Shop	244
Bayersdorfer, H.		Eysart, R. J.	254	Hilfinger Bros.	264	Meyer, Chas. F.	230	Reed & Keller	256
& Co.	245	Eastern Chem-		Hill, E. G. Co.	254	Michell's Seed		Reid, Edw.	248-254
Bay State Nur-		ical Co.	263	Hitchings & Co.	268	House	236	Reinberg, Peter	249
series	227	Edwards Folding		Hoffman, Sydney	245	Michigan Cut		Reuter's	243
Bennett, G. S. &		Box Co.	254	Holland Nurser-		Flower Ex.	254	Rice, M. Co.	243
Co.	264	Edgar, W. W.		ies	239	Millang, Chas.	249-256	Roehrs, J. Co.	208
Berger Bros.	248	Co.	238	Holm & Olson	242	Miller, A. L.	229	Roland, Thomas	204
Bobbink & At-		Elliot, W. &		Hotel Victoria	244	Moninger, J. C.		Rockert, A. &	
kins	227	Sons	226	Irwin, R. J.	229	Co.	226	Sons	203-264
Boddington, A. T.		Ernest, W. H.	264	Jacobs, S. &		Montreal Floral		Rosedale Nurser-	
237-239		Esler, J. G.	261	Sons	262	Exchange	253-256	ies	238
Bolgiano & Son,		Eyres	243	Jager, Chas. J.		Moore Hentz &		Rosery, The	242
J.	231	Farmers and		Co.	264	Nash	254	Sander & Son	238
Boston Florist		Florists Fertil-		Johnson Broker		Murray, Samuel	242	Schiller	243
Letter Co.	254	izer Co.	263	age Co.	265	National Nur-		Schling, Max	243
Breck, J. &		Farquhar, R. &		Kasting, W. F.	251	seryman	227	Schnitthels, A.	229
Sons	230	J. & Co.	205-231	Co.	251	New England		Schwake, Chas.	
Breed, E. W.	238	Florists Tel. De-		Keller, J. B.		Nurseries	204	& Co.	203
Breitschwerth, C.	264	livery Asso.	242	Sons	242	Nicotine Mfg. Co.	263	Shadlan, W. F.	256
Brietmeyer's, J.		Fisher, Peter	226	Keller, J. M. Co.	229	Niessen, Leo Co.	254	Sharp, Partridge	
Sons	246	Foley Mfg. Co.	266	Kentucky Tobac-		Oechslin, Ernest	229	& Co.	265
Bryan, Alonzo J.	229	Ford, M. C.	256	co Product Co.	226	Oechslin, Frank	252	Siebrecht, Geo.	
Burnett Bros.	231	Ford, W. P.	251	Kervan Co.	256	Ouwerkkerk, P.	239	C.	256
Burpee, W. A. &		Fottler, Fiske,		King Construc-		Palmer, W. J. &		Siggers & Sig-	
Co.	233	Rawson Co.	232	tion Co.	264	Son	244	ers	261
California Seed		Framington		Komada Bros.	244	Park Floral Co.	242	Skidelsky, S. S.	
Growers' Asso.	231	Nurseries	227	Kramer, F. H.	243	Parshelsky Bros.	265	& Co.	231
Carter's Tested		Froment, H. E.	256	Kroeschell Bros.	267	Peirce, E. Allan	264	Small, J. H. &	
Seeds, Inc.	230	Frost, Chas.	228	Lager & Hurrell	238	Pennock - Meehan		Smith, P. J.	256
Champion, J. N.		Galvin, Thos. F.	247	Lemon Oil Co.	263	Co.	255	Smith & Co., E.	
& Co.	243	Gasser Co., J. M.	243			Penn the Florist	245	D.	263
Childs, John						Pennock Bros.	248	Smith & Hemen-	
Lewis	240							way Co.	228

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 258, 259, 260, 261

Rather Early for Fall

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ADIANTUM CROWEANUM—

3-inch, \$.50 per 100, \$70.00 per 1000.

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We most cordially invite our friends and members of the S. A. F. to visit our Nurseries at Bedford during Convention Week. Take train from North Station, Boston, or electric car from Harvard Square.

New England Nurseries Co.
BEDFORD, MASS.

¶ In response to the numerous inquiries from our customers and friends who want to visit our nurseries while in Boston during Convention week, we wish to state that we shall be glad to have them visit our nurseries any time during their stay here. We will have a Private Gardeners' Day at our Dedham Nurseries on Wednesday afternoon, August 19th.

¶ Come and meet your friends.

R. & J. FARQUHAR & CO.
Boston, Mass.

All Florists going to or from the Convention are Invited to Visit

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The above cut shows in the foreground our **PLANT DEPARTMENT**, which is two years old, and consists of 150,000 square feet of glass. This is devoted to **POT PLANTS**, such as **Palms**, **Ferns**, **Pandanus**, **Araucarias**, **Dracaenas**, and other **Decorative Stock**, as well as all the **Blooming Plants** for **Christmas** and **Easter**.

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See our Display at the **CONVENTION**, in charge of our Mr. Waters, who will be glad to meet all old and new friends.

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Hydrangea

Dracaena

(Largest Stock in America)

Nephrolepis

Adiantum, Etc.

This will be an excellent opportunity for visitors to place their Fall orders as they can then see just what they are buying.

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RUTHERFORD, N. J.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

LIBRARY
NEW YORK
BOTANICAL
GARDEN

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Carnations

Neglect in watering, syringing or ventilation at this time is sure to cause such damage to young carnations that no matter how well we may treat them later on, they will never be able to fully recover. Keep on cultivating the beds, as too much importance cannot be attached to this work, which should be persisted in until the feeding roots make their appearance near the surface. Go over the beds daily to see where they may need water at the roots. Give a syringing in the morning, which will help to keep them clear of red spider, etc. Do not permit any laxity in respect to ventilation day and night. Keep a sharp outlook for green fly and thrips and on the first sign of either spray or fumigate. It is a good plan to give a light fumigation once a week.

Cinerarias

From the middle to the end of August is the proper time to start the seeds of cinerarias. These gems of the conservatory are worth all the extra labor and watchfulness demanded in their raising. Well drained earthenware seed pans are filled with a very sandy mixture of turfy loam and partly decayed leaf mold. After a good watering down of the soil the seeds are thinly scattered on the surface. This requires some care, since the grains are very small. With a piece of smooth board the seeds are pressed gently into the soil and the pans covered with panes of glass. The best place now for these pans is a coldframe, with loosely fitting sashes. As soon as they afford a hold to thumb and finger, a pricking off into other pans or flats is in order, and after they have made four or six leaves a potting off into small pots takes place. As they now attain small size, needing a shift into larger pots every now and then, the richness of the compost for each shift should be slightly increased, until at the end of the season a potting mixture of coarse and unsifted, yet porous and mellow, containing fully one-fourth of well-decayed cow manure is used.

Lorraine Begonias

All begonias in $2\frac{1}{2}$ -inch or 3-inch pots should be potted before they become pot-bound to any extent. Those that are in $2\frac{1}{2}$ -inch will go into 4-inch and those that are in 3-inch should go into 5-inch pots. For a compost use turfy loam three parts, well-decayed cow manure one part and some sand. Pot moderately firm, but not hard. Do not keep them under too great a shade as it tends to make them weak in growth. After August discontinue all pinching on those intended for

early flowering. These plants should never be allowed to dry out, but on the other hand they should not be kept in a soaked condition. Give them plenty of ventilation during hot days, and damp down the house two or three times a day.

Lilium candidum

The best candidums generally come from the north of France. Just as soon as they are received pot them up as they should not be a day longer out of the soil than is absolutely necessary. They do better when grown in 8-inch pots placing three in each pot, but where you want to grow them singly use either 5 or 6-inch pots. Give them a compost that has been mixed up some time and runs in proportion one part manure to three parts fibrous loam. If compost is dry give them a watering, but if not it can be postponed for a couple of days. These bulbs should be placed in a frame where they will get full sun and do not need any covering of soil at all. Give general care as to watering and weeding. During heavy rains see that they have some sashes put on.

Young Palms

Seedling palms that were sown early in the year should be coming along nicely by this time. Keep potting them just as soon as they have made a little top growth. Do not let them stay too long in the seed flats as they are liable to make too much root growth and when this is the case they will get a great set back when they are potted. For a compost use any good heavy soil four parts, well decayed cow manure one part. See that each one is potted firm. Keep the atmosphere humid by giving the walks under the benches and all around the whole house a spraying. Use great care in watering at all times. Ventilate every day so as to keep as even a temperature as possible. When the outside conditions make it impossible to keep the temperature at 70 degrees during the night give them some fire heat.

Propagating Variegated Vinca

Now is a good time to work up some of this very important plant. Cuttings can be made of the medium ripened part of the trailers, cutting them so as to have from two to three eyes. They can be put in the propagating bench or in flats. They take some time to root so do not try to hurry them. When they have rooted pot them off into either 2 or $2\frac{1}{2}$ -inch pots. They can be kept all winter in a house that stands about 50 degrees at night.

Mr. Farrell's next notes will be on the following: Bouvardias; Smilax; Chrysanthemums; Geraniums; Providing Compost; Propagating Ivy Geraniums.

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLICITY
THAT PAYS.

HORTICULTURE

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CONTENTS

	Page
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Carnations—Cinerarias—Lorraine Begonias—Lilium Candidum—Young Palms—Propagating Variegated Vinca— <i>John J. M. Farrell</i>	209
ROSE GROWING UNDER GLASS—The War—The Coal Supply—Fumigating— <i>Arthur C. Ruzicka</i>	211
DAPHNE CNEORUM— <i>Hubert M. Canning</i>	211
THE CONVENTION CITY—Illustrated—Boston's Record—Horticulture in Boston—Boston Parks—The Flower Trade—Massachusetts Horticultural Society Gardeners' and Florists' Club—Arnold Arboretum—Botanical Garden—First Boston Convention.....	212-217
SOCIETY OF AMERICAN FLORISTS: Thirtieth Annual Meeting and Exhibition—Some of the Men at the Helm, portraits—Program of Business—Program of Entertainment—List of Sporting Events—Local Ladies' Committees—Bureau of Horticultural and Historical Interest—Ladies' Society S. A. F.—List of Exhibitors in the Convention Garden—Chicago to Boston—Floor Plan, Mechanics Building.....	218-225
CLUBS AND SOCIETIES: Gardeners' Boston Meeting—Chrysanthemum Society of America.....	224
American Rose Society—American Gladiolus Society	225
National Dahlia Society—New Jersey Floricultural Society—A Worthy Association.....	238
Massachusetts Horticultural Society Exhibition.....	240
AFFILIATION FOR CO-OPERATION— <i>A Farenwald</i>	226
SEED TRADE—Effect of the European War.....	239
OBITUARY—Mrs. C. H. Homeyer.....	240
OF INTEREST TO RETAIL FLORISTS: Gleanings on Foliage Plants and Ferns.....	242
Flowers by Telegraph—New Flower Stores.....	243
DURING RECESS—The "Truly Rurals" Invade Barnegat Bay—Illustrated.....	250
Field Day at Michell's—Chicago Florists.....	252
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago, Cincinnati.....	255
New York, Philadelphia, St. Louis.....	257
MISCELLANEOUS: A Special Horticultural Exhibition.....	228
Standard Flower Pot Records.....	228
Publications Received—Catalogues Received.....	230
Incorporated.....	238
Business Troubles.....	243
Chicago Notes.....	244
Knoxville Notes—Personal.....	248
Cincinnati Notes—Longing for Peace.....	248
Visitors' Register—News Notes.....	248
Philadelphia Notes—A Florist Farmer—Patents.....	257
Greenhouses Building or Contemplated.....	257

Welcome HORTICULTURE extends a sincere welcome and congratulations to the grand old S. A. F. on its visit to Boston. We earnestly hope that the attendance may be large and representative of every section of our great country, that its sessions may be instructive, its deliberations conducted with wisdom and that its strength, usefulness and prestige may be greatly increased by the results accomplished. The horticultural interests of Boston, with an unanimity and unselfishness most commendable, have willingly put aside their individuality and worked together as one for the credit of Boston and for the entertainment of the visitors who now, after so long an interim, come once more as Boston's guests. We trust the weather clerk will provide ideal weather and that the hospitality so carefully planned may fully measure up to its intent

and that no untoward incident may come to mar the complete success in every particular of the Convention of 1914. Welcome, thrice welcome, S. A. F.!

Brother
and brother

While we are busy making ready for this great gathering in the interests of the most refined and beneficent of the arts of peace, our fellow-craftsmen in the old world are in the midst of a sanguinary conflict, the most terrible in history. Each and every one of the great nations involved in the struggle has done its share in the advancement of horticulture. To them we are indebted for a goodly portion of what we have come to regard as indispensable in our work and from them, too, have come many of the most intelligent and honorable men who grace the profession of horticulture in America. Horticulture knows no race nor creed. It recognizes no differences among its votaries except the rank of attainment and the emulation to excel in proficiency and the knowledge of horticulture. In our ranks are found representatives of all the warring countries and races. Ties of kindred and places of birth may influence our sympathies and excite individual prejudices in this time of high tension and inflamed passion. Let us forget all this in our intercourse with our fellow workers. By all means, let no words of argument, reproach or prejudice escape our lips wherever and however we may foregather in the coming convention and its attendant social intercourse.

"For a' that, an' a' that,
 It's comin' yet for a' that,
 That man to man the world o'er
 Shall brithers be for a' that."

Many Interests
to subserve

With a membership double what it was a decade ago and three or four times the volume of twenty years ago, the question may arise as to why the attendance at the annual convention of the S. A. F. has not increased proportionately. Notwithstanding the generally recognized inducements of a summer convention in Boston it is by no means sure that the attendance of members this year will exceed that at the first convention in Boston twenty-four years ago. A restricted attendance does not necessarily indicate a lack of interest as there are undoubtedly many who will be absentees only with the greatest reluctance. The European war will have a restraining effect on many who would otherwise make the trip to Boston. The withdrawal of the special low transportation rates that formerly were obtainable cuts quite a figure in the matter of attendance nowadays. Much enthusiasm is apt to mark the first few years of any organization but this moderates in time and it then takes skillful work on the part of officers and others to combat this tendency to indifference. Different individuals are actuated by different motives in their attendance upon these affairs and the greatest permanent success will usually attend that society which provides something for all tastes and permits no domination by any one interest. The S. A. F. Convention does not exist for purposes of trade alone, for buying and selling, nor is it all for entertaining and feasting and social enjoyment; it is not all for technical essays and discussions; neither is it simply for practising politics or to advance the interests of favorite candidates; nor even to make money for the Society, although all these may contribute more or less to a lively and successful meeting. The final test of a convention must really be its permanent educational, inspiring and elevating influence on the trade and the profession and all those features that most contribute to this ultimate result should in all cases be given the right of way and see to it that the others are all put to full use as accessories to that end.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The War

Although it may not involve this country at all, it may at the same time make hard times here, and should this be the case, the florists will be the first to feel it, for the people will generally turn down the flowers the very first thing. It will be well for all growers to handle everything carefully, and try to cut expenses down as much as possible, also see that there is no waste at any part of the range. Do not cut the wages of the men to reduce expenses—rather increase these, encouraging all the men to take more interest in their work and thus saving in the long run. Look after every little detail thoroughly, so that even if prices are very low, there will still be profit enough to pay running expenses, without any loss.

The Coal Supply

Right now is the time to think about the coal supply for the coming season, even though the weather is still hot. Growers should have ample room in the cellar to avoid storing the coal outside in heaps exposed to all sorts of weather. Then, too, the coal will have to be handled twice if stored away from the boilers, and that means double expense. Expenses have a good deal to do with profits, and all men employed should be made to earn more than their pay, therefore keep them at something useful and not at any odd job that is not worth doing. Growers who are a distance from the railroad, and still have to ship all their stock, should take advantage of this good weather when the roads are dry, and get their coal in. A motor truck cannot be beat for this work, when the roads are good, but do not rely on one to haul your coal in the winter, or you may regret it, for they are useless for roads such as we generally find around country places in midwinter.

Fumigating

Never leave this important item undone for any length of time, for when the plants once get overrun with greenfly it will require heroic efforts to get rid of the pest this hot weather. And then there is the check that the plants will get if the fly is bad. It will take a long time for them to recover, after all the fly is done away with. The best time to fumigate is at night, especially if a thunder storm comes up, and it rains. The houses should never be smoked unless they are below 70, for they are very likely to get scorched if fumigated when the temperature is any higher. It is also essential that the houses be wet, so that there is not a plant that will be real dry at the roots. The smoke will be more effective if the air is damp, and so will gas. Where gas is used it will require even more care than smoke. Spraying regularly will keep the plants free from all insects but this will require care too, and should never be entrusted to a person with little experience. There are some very good preparations on the market, and if properly used will be found very satisfactory. For fumigating material we use tobacco stems while the plants are real small, and there is no danger of damaging flowers. The stems should be fresh, and no old moldy stems should be used. See that they are not allowed to

burn with a flame, for then the smoke would be very likely to burn the plants. Where it can be done, or where it is not possible to get good stems, some of the fumigating compounds that are offered to the trade will be found as cheap and far more pleasant to use. If the houses are not much below 70 they had better be opened after an hour or two, so that the plants will not take harm from the close air that will fill the houses while they are shut down tight. With tobacco papers the smoke will clear away in about an hour and the houses should then be opened a little bit, and shortly after, a little more.

Daphne Cneorum

The ease or difficulty of propagation makes plants common or rare. It also largely determines the price of plants; plants difficult of propagation always cost more than those which may be readily multiplied. Unfortunately on this account some of our most beautiful garden plants are rare or not as well known as they deserve to be. *Daphne Cneorum* is one of these. It belongs to that select little family *Thymelæaceæ*, one of the few families of plants that "hasn't any poor relations"; it has but one protoplasmic relative in the Eastern States at least, and that is the Leatherwood or *Wicopy*, *Dirca palustris*.

Daphne Cneorum is a native of the mountains of middle Europe, and, like many plants which hail from high altitudes, is of a low, prostrate or spreading habit. It is an evergreen and shrubby in character. The branches are supple or inclined to be leathery and are well clothed with small, narrow, sessile leaves, oblanceolate in outline, and alternately arranged. The bright pink, deliciously fragrant flowers are produced in terminal clusters abundantly in May (often earlier) and continuing more or less freely till September or October. It does not appear to produce seeds in this country, probably because we have not the insect to bring about fertilization, and the method of propagation most commonly practised is that of layering, which should be done in June.

Daphne Cneorum has proved perfectly hardy in Massachusetts. It thrives in any fairly good soil, but prefers a rich peaty soil, either in full sun or shade, although it does its very best if planted where it can receive some shade during the hottest part of the day. It is an excellent subject for the rock garden, or it may be planted in the hardy perennial border, or in beds by itself, or it may be used as a ground cover among compact growing shrubs in shrubbery borders. It is also a good plant for cemetery lot planting, since it is evergreen and exceedingly persistent or tenacious of life: the writer knows of a bed which was planted nearly forty years ago and is today healthy and vigorous and looks capable of rounding out a century. Few shrubs possess as many good qualities as this charming *Daphne Cneorum*.

Hubert H. Canning

THE CONVENTION CITY



Courtesy Boston Chamber of Commerce

Strange as it may seem, there are some incorrigible people who cannot be induced to say they like Boston. Our friends from the boundless West take exception to its narrow and tortuous streets in which they invariably lose their way, and in trying to get somewhere, finally turn up at the spot from whence they started. To the *blase* New Yorker, Boston is a "one-horse town," sadly lacking in life and amusement after 11 p. m.—a good place in which to die! Yet the natives think it the best place on earth, the place of all places in which to live and they make no secret of their belief. "Boston State House is the hub of the solar system. You couldn't pry that out of a Boston man if you had the tire of all creation straightened out for a cross-bar."

In these days of guide-books and catalogues, sight-seeing autos and souvenir post cards ad infinitum, a mass of statistical compilations and exhaustive review of Boston's history for nearly 300 years and a descriptive illustrated catalogue of the many places of interest, historical, commercial or romantic, in and about the city, would be both superfluous and tiresome. We realize, however, that our readers will expect us to say something about the Convention City, what it stands for and what it is doing in the field of horticulture, and we shall try to comply with premeditated brevity, keeping in mind and observing as far as possible the advice in the old-time popular ballad:

"Solid men of Boston, make no long orations!
Solid men of Boston, banish strong potatoes!"

Boston As It Is

Boston has,
with good reason,
been

termed the most interesting city in America. Certainly it is, in many respects, "different," and to this fact is due much of its quaintness and charm. From the group of six states almost isolated geographically from the rest of the United States and known as New England, Boston is the centre of transportation, commerce, finance, industry and social life. From all parts of this section has been recruited the proud list of great men who in one way or another have made for themselves and for Boston a world-wide and imperishable renown, and from Boston, into and throughout this New England country, has emanated the light of Boston's influence, inspiration and character.

Among the people of such a territory we should naturally look for the impress of superior horticultural enlightenment and an exceptionally keen appreciation of the garden and garden products. Under such encouragement are evolved advanced exponents of the science and art of horticulture and within such environment the spirit of useful and constructive activity finds its great-

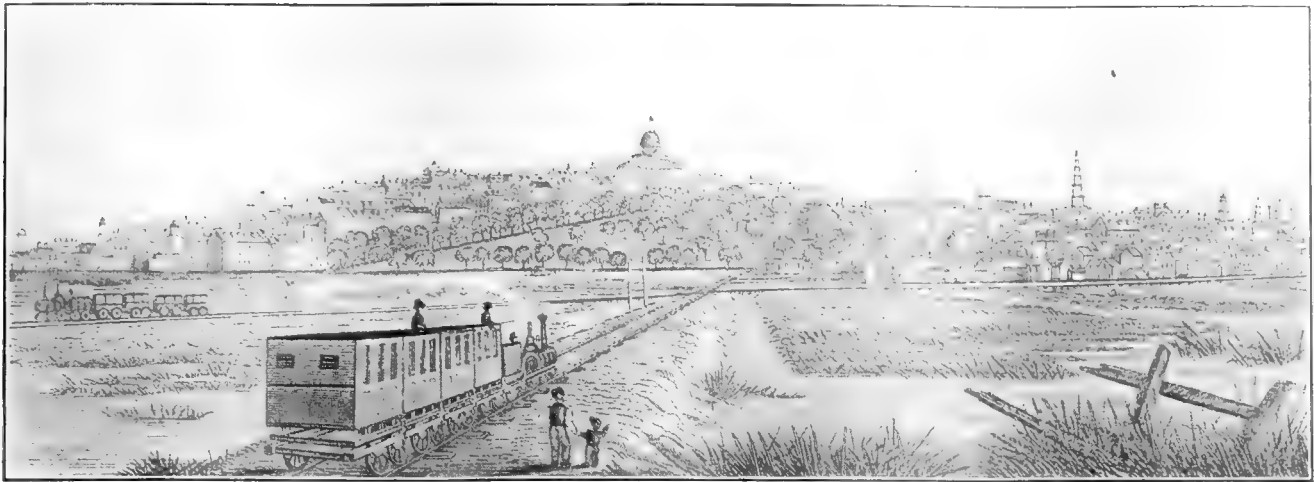
est stimulus. It is not surprising, then, that in this favored section we find by far the largest number of horticultural organizations in any territory of equal size on the American continent.

The city of Boston "proper" is of very limited extent geographically. As a metropolitan community Boston is really a group of forty municipalities aggregating within a radius of twelve miles a population of 1,500,000, all closely allied industrially and



SPOT POND IN MIDDLESEX FELLS

Middlesex Fells is a tract of forest reservation comprising about 2,000 acres of land and water, hill and dale, under the control of the Metropolitan Park Commission. It is located five to six miles from Boston in the towns of Winchester, Stoneham and Medford, and reached by Fellsway, or Mystic Valley Parkway.



OLD BOSTON.

This interesting old engraving shows Boston as it appeared from what is now the site of the magnificent Back Bay section, in 1835. The place where the primitive railroads are seen to intersect is about where Copley Square is now. The first spire to the right of the State House dome is Park Street Church, just across the street from the office of HORTICULTURE. On the extreme left is seen Bunker Hill Monument, partially completed. The tree adorned tract in the centre of the picture is Boston Common.

socially but each section jealously holding its political autonomy and local self-government. Parks, sewerage and water are, however, under unified control, with state-appointed commissions, and the administration of affairs of police, docks and the sale of liquors is also entrusted to boards appointed by the Governor of Massachusetts.

A very large part of what is now Boston proper was once submerged land and it will interest our visitors to know that the entire Back Bay territory, comprising all of the section westward from Boston Common, has been reclaimed from the ebbing and flowing tide. This is the most beautiful part of Boston, today, embracing the Public Garden, Commonwealth Avenue and Fenway Park, and such buildings as the Public Library, Art Museum, Opera House, Horticultural Hall and scores of other imposing public buildings, institutions, hotels and palatial private residences, all of which reclamation and constructing has taken place within the memory of men still in the prime of life. For many miles northward and southward along the rock-bound Atlantic Coast stretch the summer estates of Boston's opulent citizens and on both shores miles of magnificent beaches have been incorporated into the Metropolitan Park System for the use of the public forever. Shoreward and inland these public reservations exceed 12,000 acres in extent and connecting in all directions is a network of

boulevards and fine auto roads, of which, we doubt not, the convention visitors will take full advantage. For information regarding these suburban attractions, as well as the many interesting historical and legendary places and shrines which abound in this romantic country a special Information Bureau has been specially constituted for this convention and will be found conveniently located in a conspicuous place in the Convention hall, close to the entrance. Make full use of the facilities thus provided for your convenience and pleasure.

Horticulture in Boston

The Pilgrim settlers brought with them the love for gardening. In the year 1621 Edward Winslow wrote "Here are grapes white and red and very sweet and strong also; strawberries, gooseberries, raspberries, etc.; plums of three sorts, white, black, and red, being almost as good as a damson; abundance of roses, white, red, and damask, single, but very sweet indeed." Letters sent home from the colonists, as quoted from the published chronicles of those early days made frequent mention of the wild fruits, vegetables and herbs and of the astonishing crops raised in the kitchen gardens. Fish was the principal fertilizer used, a method which the settlers learned from the Indians. Writers as early as 1630 gave interesting accounts of the rapid progress of horticulture in Salem, 1712,



OLD NORTH BRIDGE, CONCORD.

The famous spot where the roused farmers of Lexington and Concord trapped the advance of King George's troops on the memorable April 19, 1775.

Roxbury, Dorchester, Boston and other adjoining places that are still in the public eye, horticulturally and otherwise, and we learn from these accounts that it was not long before they discovered that the insect pest was no stranger in the new country. Arsenate of lead and spraying were unknown to them and so, when seriously harassed they resorted to fast days and prayer as remedies for these evils.

The first horticultural literature published in Boston of which we have any knowledge was "The New American Garden," by Thomas J. Fessenden, and a Treatise on the Cultivation of Flowers, both of which appeared in the year 1828.

Boston Parks

Boston was settled in 1630. Four years later Boston Common was purchased and set apart as a public ground in perpetuity. Here was the beginning of what is now acknowledged to be the finest park system in this country. All the

reservations outside of the boundary lines of the city proper, comprising many thousand acres of hill and valley, forest and lake, beaches and boulevards are administered by the Metropolitan Park Commission, under State control. Those reservations within the city boundaries are administered by the Boston Park and Recreation Board, of which John H. Dillon is chairman and J. B. Shea deputy commissioner. Thos. F. Galvin is also a member of the Board. In the jurisdiction of this department are Franklin Park, Back Bay



IN THE WOODS, FRANKLIN PARK, BOSTON.

This shows a kalmia bordered road through the thickly wooded section of Franklin Park, photographed in June.

Fens, Public Garden and Common, Franklin Field, The Riverway and many smaller parks and playgrounds. It was only by the co-operation of this Park Board and the Mayor of the city that the unique Convention Garden was made a possibility.

The Flower Trade

We scarcely need to mention that Boston has been the source and fountain head of many of the ideas and advancements that have nourished floricultural progress of America. It has the honor of being the birthplace of Grace Wilder, Lawson, Enchantress and other well-known varieties which have set the pace for the whole carnation world. Also of the Russell and Hadley roses, the White Killarney and others of more or less renown. In the growing of acacias, violets and sweet peas, and such plants as cyclamen and Lorraine begonia Boston growers of the present day have few rivals anywhere. We mention none by name for they are many and we do not wish to slight any by omission. Their establishments are easy of access and no doubt many tours of inspection will be made. Directions for reaching any and all will be obtainable at the office of the Bureau of Information.

The Boston retail flower trade will be well to the front in greeting the visiting florists. Several of the leaders are represented in our advertising columns and they will appreciate a friendly call and a confab on the F. T. D.



SUMMER BLENDING IN THE PUBLIC GARDEN.

In recent issues we have presented several views in Boston's popular Public Garden, and this is another in the series. The picture was taken early last month.

Practically the entire wholesale trade is concentrated in Winthrop Square. Here are located the two extensive co-operative flower markets, and the big wholesale flower and supply houses of Welch Bros., N. F. McCarthy & Co. and several others. During the busy season a tremendous amount of floral product representing hundreds of growers in New England are marketed daily in Winthrop Square and an early morning visit even now will fully repay the trouble.

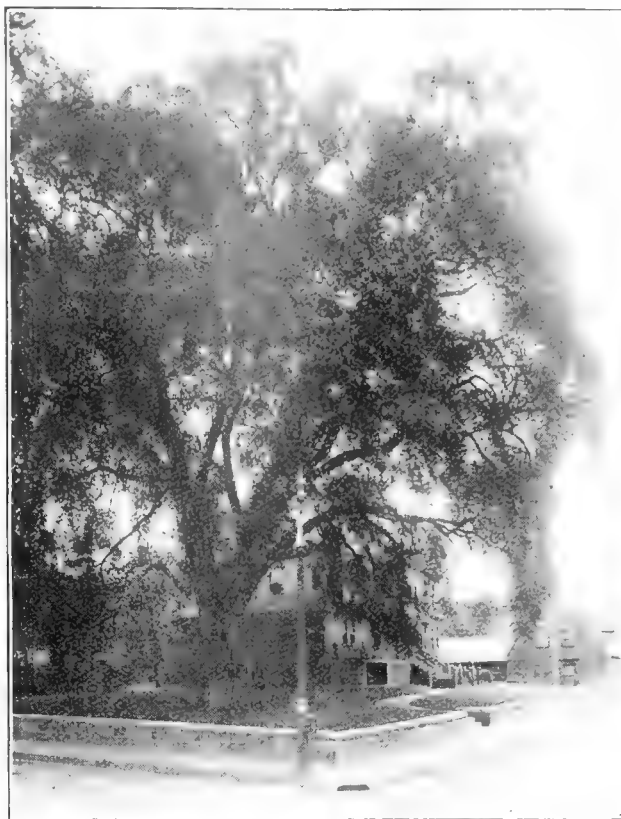
Before closing these trade notes we must not forget the seedsmen. The seed trade of Boston is done entirely in the section adjacent to the public markets, in South Market and North Market streets and Faneuil Hall Square, an unique and interesting part of the old city. The extensive market gardening industry of the surrounding country and the many highly developed private estates whose supplies are secured here, demand a very high quality of seed and while Boston does not figure materially in the big wholesale and agricultural seed industry of the country yet when it comes to quality the Boston seedsmen go the full limit.

Massachusetts Horticultural Society

The Massachusetts Horticultural Society, organized on March 17, 1829, was, so far as recorded, the fifth organization of the kind in this country. Of its predecessors, only one—the Pennsylvania Horticultural Society—existed beyond a few years. Before the end of its first year the Massachusetts Horticultural Society boasted 249 members. Gen. H. A. S. Dearborn was the first president. At that date Boston had only been an incorporated city seven years, with a population of 60,000.

It may be interesting to note here that the establishment of Mt. Auburn Cemetery in Cambridge, the first ornamental rural cemetery in the United States, was the first enterprise under the auspices of the Massachusetts Horticultural Society. Unrivalled in its natural sylvan beauty and for the number of eminent men and women who repose beneath the shade of its majestic groves, this consecrated city of the dead will be found full of interest by those who have time and opportunity to visit it.

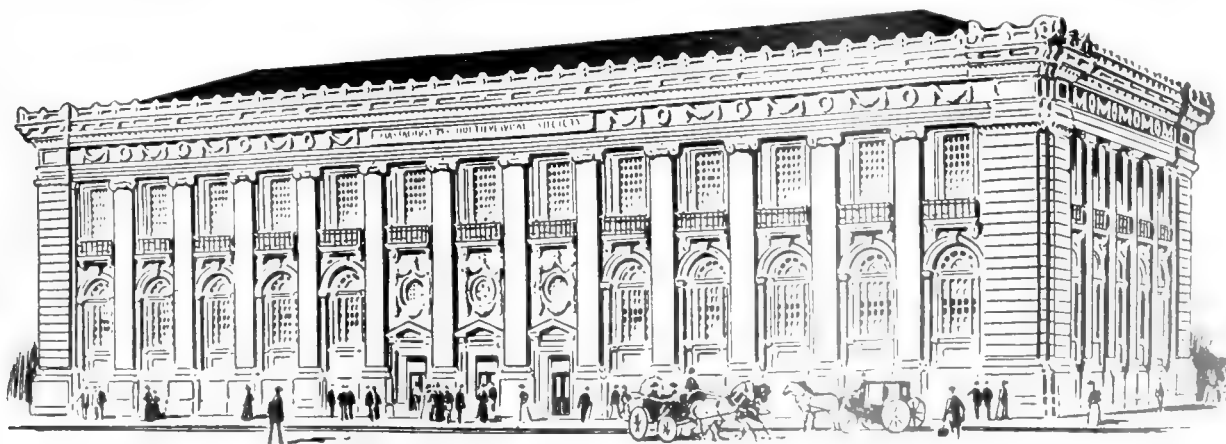
Horticultural Hall, the headquarters of the Massachusetts Horticultural Society—the finest structure devoted to horticulture in this country, is located on the corner of Huntington Avenue and Massachusetts Avenue,



THE OLD LIBERTY ELM.

Standing at corner of Green and Rockview streets, Jamaica Plain, Boston, this grand old monarch attracts the attention of thousands. Its history is shrouded in obscurity and no authentic account of its age is extant. Much speculation has been rife as to its age. A safe and sane conclusion is that it is about 200 years ago. Whether the legends regarding the part it played in Revolutionary times are authentic or not, the fact remains that it is "monarch of all it surveys."

a few blocks south of Mechanics Building where the Convention is held. In this building many notable floral exhibitions of recent years have been held. Within it is housed one of the largest and most valuable horticultural libraries in the world. The Massachusetts Horticultural Society has ever been true to its trust and its halls have at all times been placed at the disposal, without charge, of kindred societies for their meetings and exhibitions. When the S. A. F. last met in Boston, 24 years ago, the Horticultural Society generously donated the use of their halls—then located on Tremont street, for the use of the National Society, and a similar privilege would have been extended on this occasion had the building been large enough for the present



HORTICULTURAL HALL, BOSTON, MASS.

requirements of the S. A. F. The Horticultural Society has, however, made a generous contribution for the use of the Boston Convention Committees and will, further, extend the courtesy of a special horticultural exhibition on Tuesday, Wednesday and Thursday of Convention week, in honor of the visiting society. J. K. M. L. Farquhar has been, for the past two years, President of the Massachusetts Horticultural Society. Secretary W. P. Rich will be pleased to have S. A. F. visitors make a social call.

Gardeners' and Florists' Club of Boston

The Gardeners' and Florists' Club has for twenty-seven years held a position high in the regard of sister organizations. As a body it has taken a leading part and generously contributed to the local preparatory work for the Convention, and its members are strongly represented on the various committees. Its meetings are held in Horticultural Hall, the membership being between four and five hundred. Wm. J. Stewart was its first president. The present officers are W. J. Kennedy, president; H. H. Bartsch, vice-president; W. N. Craig, secretary, and Peter Fisher, treasurer.

The Arnold Arboretum

We published two weeks ago an interesting account



JACKSON DAWSON
Superintendent Arnold Arboretum.

of this great institution and its work. It contains the finest collection of hardy trees and shrubs in this country, if not in the world. Although a department of Harvard College and endowed and maintained by private munificence it is insofar as road ways and policing are concerned a part of the Boston park



FANEUIL HALL.

Everybody knows the "Cradle of Liberty" and its stirring history. Every pilgrim to Boston should make it a point to go there and register his name in the time-honored "Visitors' Book."

system by special agreement. Professor Charles S. Sargent is its director, and Jackson Dawson its superintendent. E. H. Wilson has for a number of years carried on its exploring and plant collecting work in China and is at the present time engaged in some special research work in Japan. Among the most interesting features in the Arboretum at the present time are the collections of Wilson's new Chinese introductions numbering several hundred species and varieties. S. A. F. visitors will receive a cordial welcome. Forest Hill cars, either by subway and elevated or surface car go very close to the entrance.



E. H. WILSON
Plant Collector for Arnold Arboretum.



COPLEY SQUARE.

Architecturally one of the beauty spots of Boston. In our picture appear Trinity Church, Copley-Plaza Hotel and Public Library. A centre of activity during the S. A. F. Convention.

Botanical Garden

The Harvard Botanical Garden at Cambridge will interest botanically inclined visitors especially. It is under the efficient care of Robert Cameron as superintendent. Reached by Cambridge subway cars from Park street, transferring at Harvard Square to North Cambridge car and alighting at Linnaean street. Or the trip may be made by surface car entirely.

The First Boston Convention

A few words about the first S. A. F. Convention in Boston may not be inappropriate here. The meetings and trade exhibition were held in Horticultural Hall, Tremont and Bromfield streets. Because of lack of space and inadequate elevator facilities the boilers and other heavy material were shown in Bumstead Hall, under Music Hall, one block away. The late J. M. Jordan was president. The addresses of welcome were made by Lieutenant-Governor Haile and His Honor Mayor Hart. Robert Craig made the response to these addresses. The meetings of the Society were to some extent eclipsed by the visits to two of the most noted private estates and the superb exhibition installed by the Massachusetts Horticultural Society in Music Hall (now turned into a theatre) which they hired for the purpose after generously giving up their own building to the S. A. F. The exhibition there put up has never, either before or since been equalled in this country. The aquatic display, the palms, the orchids, and the superb mantel decoration by the late David Allan were a revelation to the visitors and have



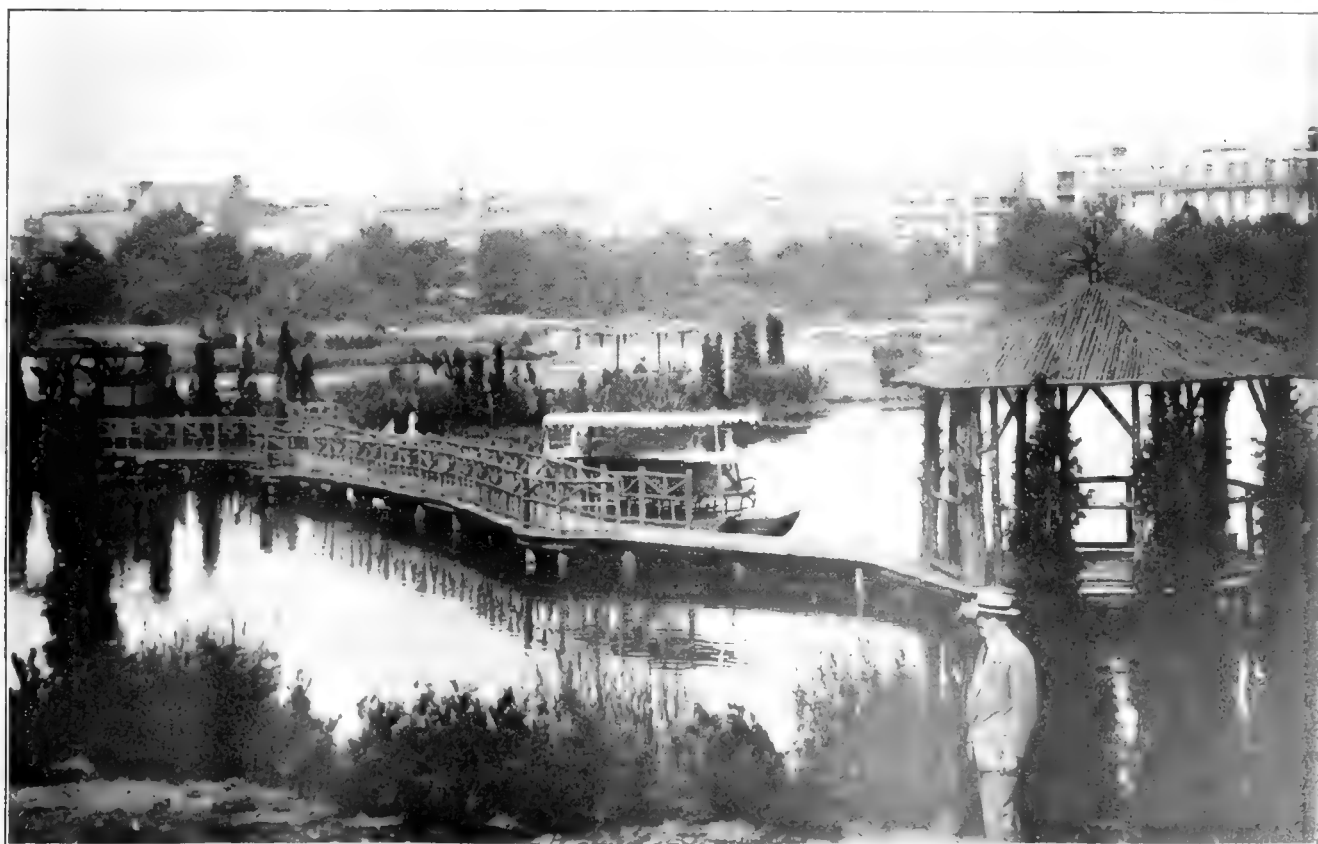
REVERE BEACH.

One of the great seaside park reservations under the control of the Metropolitan Park Commission. Located on the "North Shore" of Massachusetts Bay, as Nantasket Beach is located on the "South Shore."

been a never-failing source of reminiscent delight.

The bowling contest and the festivities following was an occasion never to be forgotten. The highest score (234) was made by J. A. Penman of the New York team and won for that team the big cup. Of the six members of the Boston team on that occasion but two are now alive.

At that time, 24 years ago, there was but one florists' trade paper and that a semi-monthly. Its Convention Number comprised 32 pages and was considered quite a triumph.



VIEW IN CONVENTION GARDEN

A partial view of the Fenway Lagoon and the Farquhar exhibit when nearing completion place at 11 A. M., Tuesday, August 17.

The formal opening of the Convention.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Incorporated by Act of Congress, March 4, 1901

Program of the Thirtieth Annual Meeting and Exhibition to be held in Mechanics Building, Boston, Massachusetts, August 18, 19, 20, 1914

The 1914 Button admits members to the hall and meetings. Please register at once in the Secretary's office upon arrival at the Convention Hall.

OFFICERS.

President—THEO. WIRTH, Minneapolis, Minn.

Vice-President—PATRICK WELCH, Boston, Mass.

Secretary—JOHN YOUNG, 53 West 28th street, New York City.

Treasurer—WM. F. KASTING, Buffalo, New York.

Executive Board.

For one year—Chas. H. Totty, Madison, N. J.; John A. Evans, Richmond, Ind.

For two years—Thomas Roland, Nahant, Mass.; Aug. F. Poehlmann, Morton Grove, Ill.

For three years—J. J. Hess, Omaha, Neb.; J. A. Peterson, Cincinnati, Ohio.

Ex-officio—J. K. M. L. Farquhar, Boston, Mass.

Washington representative—Wm. F. Gude.

National Flower Show Committee.

W. P. Craig, Philadelphia, Pa., term expires Dec. 31, 1914.

W. N. Rudd, Morgan Park, Ill., term expires Dec. 31, 1915.

Thomas Roland, Nahant, Mass., term expires Dec. 31, 1916.

Chas. H. Totty, Madison, N. J., term expires Dec. 31, 1917.

George Asmus, Chairman, Chicago, Ill., term expires Dec. 31, 1918.

Adolph Farenwald, Roslyn, Pa., term expires Dec. 31, 1919.

State Vice-Presidents.

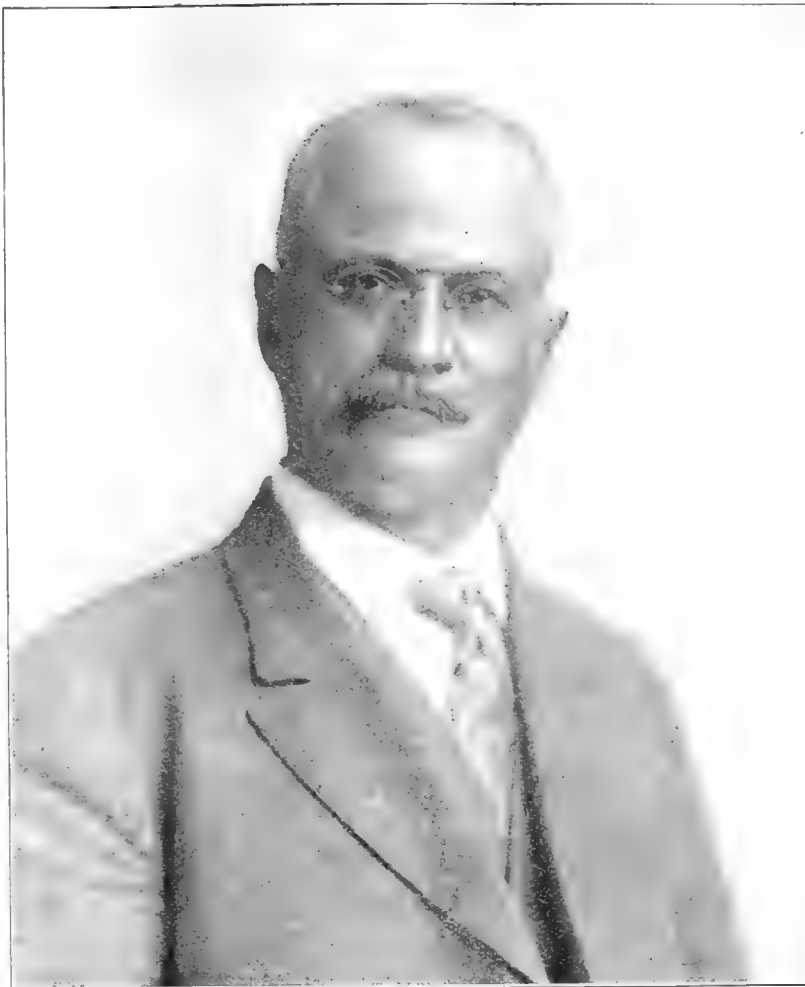
Alabama, W. B. Paterson, Jr., Montgomery; California (North) Daniel MacRorie, San Francisco; California (South) Edwin Lonsdale, Lompoc, Col-

orado, John Edward Johnson, Colorado Springs; Connecticut, John F. Huss, 1103 Asylum street, Hartford; District of Columbia, Elmer C. Mayberry, Washington; Florida, C. D. Mills, Jacksonville; Georgia, A. C. Oelschig, Savannah; Idaho, J. W. C. Deake, Twin Falls; Illinois (North) W. J. Keimel, Elmhurst; Illinois (South) J. F. Ammann, Edwardsville; Indiana, (North) J. S. Stuart, Anderson; Indiana, (South) Jos. H. Hill, Richmond; Iowa, Roy F. Wilcox, Council Bluffs; Kansas, Chas. P. Mueller, Wichita; Kentucky; George E. Schultz, Louisville; Louisiana, Harry Papworth, New Orleans; Maine, A. E. Thatcher, Bar Harbor; Maryland, George Morrison, Carroll P. O., Baltimore; Massachusetts, (East) Wm. R. Nicholson, Framingham; Massachusetts (West) Alfred J. Loveless,



MECHANICS BUILDING, BOSTON, MASS.

Lenox; Michigan, (East) Frank Danzer, Detroit; Michigan, (West) Henry Smith, Grand Rapids; Minnesota, C. F. Rice, Minneapolis; Mississippi, S. W. Crowell, Roseacres; Missouri, (East) Robert J. Windler, St. Louis; Missouri, (West) W. L. Rock, Kansas City; Montana, J. C. Ring, Helena; Nebraska, Irwin F. Frey, Lincoln; New Hampshire, George E. Buxton, Nashua; New Jersey, Joseph A. Manda, West Orange; New York, (East) J. H. Pepper, New York; New York, (West) S. A. Anderson, Buffalo; North Carolina, Wm. Rehder, Wilmington; Ohio, (North) H. P. Knoble, Cleveland; Ohio, (South) C. E. Critchell, Cincinnati; Oklahoma, George Stiles, Oklahoma City; Oregon, E. T. Mische, Portland; Pennsylvania, (East) Fred Hahman, Philadelphia; Pennsylvania, (West) W. A. Clarke, Pittsburgh; Rhode Island, Fred C. Green, Providence; South Carolina, C. A. Moss, Spartanburg; South Dakota, W. F. March, Mitchell; Tennessee, C. L. Baum, Knoxville; Texas, Henry F. Greve, Dallas; Utah, A. J. Alt, Salt Lake City; Virginia, F. A. Whelan, Mt. Vernon; Washington, J. W. Duncan, Spokane; West Virginia, S. A. Gregg, Charleston; Wisconsin, F. H. Holton, Milwaukee.



THEODORE WIRTH

President Society of American Florists and Ornamental Horticulturists.

Canada—Alberta, A. M. Terrill, Calgary; Manitoba, H. E. Philpott, Winnipeg; Ontario, H. Dillemath, East Ontario; Quebec, George A. Robinson, Montreal.

1914 Convention Advisory Committee.

Patrick Welch, Boston, Mass.;

Thomas Roland, Nahant, Mass.; J. K. M. L. Farquhar, Boston, Mass.

Other Officers.

Botanist—Prof. J. F. Cowell, Buffalo Botanic Gardens, Buffalo, N. Y.

Pathologist—Prof. E. M. Freeman, Plant Pathologist, University Farm, Minneapolis, Minn.

Entomologist—Prof. W. E. Britton, State Entomologist, New Haven, Conn.

Chairman, Committee on Sports—Chas. E. Critchell, Cincinnati, Ohio.

Superintendent of Trade Exhibition—John Young, 53 West 28th street, New York.

Superintendent of Convention Garden—James B. Shea, Dept. of Parks, Boston, Mass.

Sergeant-at-Arms—George Cruikshank.

Tariff and Legislative Committee.

Wm. F. Gude, Chairman, 1214 F. street, N. W., Washington, D. C.; Jas. Mc Hutchison, 17 Murray street, New York City; W. F. Kasting, 383-387 Ellicott street, Buffalo, N. Y.; R. M. Ward, 71 Murray street, New York City; Julius Roehrs, Rutherford, N. J.; A. L. Miller, Brooklyn, N. Y.

Committee on School Gardens.

Benjamin Hammond, Chairman, Beacon, N. Y.; Irwin Bertermann, 241 Massachusetts Ave., Indianapolis, Ind.;



PATRICK WELCH

Vice President, Society of American Florists; Chairman of Boston Executive Committee.



WILLIAM F. KASTING

Treasurer, Society of American Florists



JOHN YOUNG

Superintendent of Trade Exhibition

SOME OF THE MEN AT THE HELM



WM. F. GUDE
Washington Representative of S. A. F.
and O. H.



J. K. M. L. FARQUHAR
President of Massachusetts Horticultural
Society; Member of Executive Board,
S. A. F., Ex-officio.



CHARLES H. TOTTY
Director Society of American Florists.

Gust. X Amrhyn, Supt. of Parks, New Haven, Conn.; Michael Barker, 440 So. Dearborn street, Chicago, Ill.; Leonard Barron, Garden City, N. Y.

Judges for the Trade Exhibition.

Sections A, B. and F—M. A. Patten, Tewksbury, Mass.; Wm. Sim, Cliftondale, Mass.; John R. Fotheringham, Tarrytown, N. Y.

Sections E and G—Thomas F. Galvin, Boston, Mass.; Wm. F. Kasting, Buffalo, N. Y.; Olaf J. Olson, St. Paul, Minn.

Sections C and D—Wm. H. Siebrecht, Sr., Chappaqua, N. Y.; Jos. A.

Manda, West Orange, N. J.; Frank H. Traendly, New York.

Judges of the Convention Garden.

Robert Cameron, Cambridge, Mass.; J. F. Huss, Hartford, Conn.; Harry A. Bunyard, New York; Gustav X. Amrhyn, Supt. of Parks, New Haven, Conn.; John N. Champion, New Haven, Conn.

Past Presidents.

*1884 John Thorpe 1885 John Thorpe. 1886 John Thorpe. 1887 Robert Craig. 1888 E. G. Hill. 1889 John N. May. *1890 J. M. Jordan, 1891 M. H.

Norton, 1892 Jas. Dean, *1893 Wm. R. Smith, *1894 J. T. Anthony, 1895 Edwin Lonsdale, *1896 Wm. Scott, 1897 Adam Graham, 1898 W. F. Gude, 1899 W. N. Rudd, *1900 E. M. Wood, 1901 Patrick O'Mara, 1902 John Burton, 1903 John Burton, 1904 Philip Breitmeyer, 1905 J. C. Vaughan, 1906 Wm. F. Kasting, 1907 Wm. J. Stewart, 1908 F. H. Traendly, 1909 J. A. Valentine, 1910 F. R. Pierson, 1911 George Asmus, 1912 Richard Vincent, Jr., 1913 J. K. M. L. Farquhar. *Deceased.

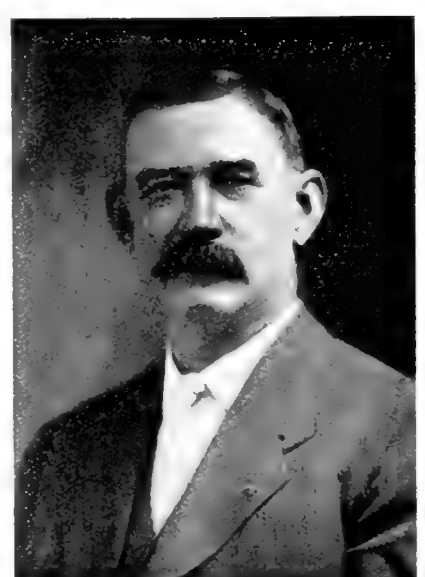
The Secretary's office will be near the main entrance inside the Convention Hall.



AUGUST PÖHLMANN
Director Society of American Florists



THOMAS ROLAND
Director Society of American Florists and
Chairman Boston Finance Committee



J. A. PETERSON
Director Society of American Florists.

SOME OF THE MEN AT THE HELM



JOHN A. EVANS
Director Society of American Florists.

PROGRAM OF BUSINESS.

Tuesday, August Eighteenth.
First Day.

11.00 A. M., Opening of the Boston Convention Garden.

Address by Hon. James M. Curley Mayor of Boston.

Take any out-bound Chestnut Hill car on Boylston street to the corner of Ipswich street. Or take any car going south past Mechanics building, alighting at corner of Massachusetts avenue and walking through Westland avenue to Fenway, over Richardson Bridge, to Garden.

OPENING SESSION.

2. P. M., Opening Exercises in Paul Revere Hall, Mechanics Building.



J. J. HESS
Director Society of American Florists.

Address of Welcome, by Hon. James M. Curley, Mayor of Boston. Response by Frank R. Pierson, Tarrytown, N. Y.

President Wirth's Address; Report of Secretary; Report of Treasurer; Reports of State Vice-Presidents; Consideration of Invitations for Meeting Place for 1915.

EVENING.

Balloting for next Meeting Place.

Wednesday, August Nineteenth.
Second Day.

MORNING.

9 A. M., Meeting of The Florists' Telegraph Delivery.

9 A. M., Meeting of The American Sweet Pea Society.



CHAS. E. CRITCHELL
Chairman S. A. F. Committee on Sports.

10 A. M., Annual Meeting of the Ladies' Society of American Florists.

10 A. M., Session S. A. F. & O. H. Report of the National Flower Show Committee, George Asmus, Chairman. Discussion.

Nomination of Officers for 1915; Report of the Judges of Trade Exhibition and the Convention Garden; Report of Committee on President's Address; Discussion.

Affiliation—Special Report of Board of Directors.

At the morning session of Friday, Aug. 22, of the Minneapolis Convention, the following recommendation of the Board of Directors was adopted:

"That the fee for members of any regu-



JAMES B. SHEA
Deputy Commissioner Boston Parks and
Chairman Convention Garden Committee.



WM. R. NICHOLSON
Chairman Boston Committee on Sports.



JOHN H. DILLON
Chairman City of Boston Park and Recreation Board.

SOME OF THE MEN AT THE HELM



W. J. KENNEDY

President Gardeners' and Florists' Club of Boston and Chairman Ladies' Entertainment Committee.



WM. N. CRAIG

Secretary Gardeners' and Florists' Club of Boston.



PETER FISHER

Treasurer Gardeners' and Florists' Club of Boston.

lar florists' clubs who wish to join the S. A. F. & O. H. as a body, will be reduced to Three Dollars for the first year, and the annual dues thereafter to be Two Dollars per year for each member thereof. These dues must be paid to the S. A. F. & O. H. by the treasurer of each club and not by the members individually, and we further recommend that our constitution and by-laws be amended to comply with this recommendation."

At the meeting of the Board of Directors, held in Boston, March 17-18, 1914, the matter of affiliation was again very thoroughly discussed by the full Board, with the result that the recommendation was considered to be rather indefinite. It was therefore voted that a special committee of three be appointed to work out a definite plan of affiliation, the same to be presented as an amendment to the constitution and by-laws. The Committee, consisting of Messrs. George Asmus, chairman, Wm. F. Kasting and J. J. Hess, ultimately submitted the following

ing amendment, which has been approved and is now recommended for adoption by the Board of Directors in place of the recommendation offered at Minneapolis:

Amendment to Paragraph (b) of Section 2 of Article II.

1. That clubs, societies or kindred organizations of professional florists, gardeners and horticulturists, having a paid-up membership of one hundred or more members in the S. A. F. & O. H., shall be entitled to one representative on the Board of Directors of the S. A. F. & O. H.

2. Such representative shall be the president of such organization and must be a member of the S. A. F. & O. H.

3. Any elective officer or appointed director of the S. A. F. & O. H. shall not be eligible as a representative of such organization.

AFTERNOON

2 P. M., Essay—"What Should the

Society of American Florists Do for the Private Gardener?" by Arthur E. Thatcher. Discussion.

Thursday, August 20—Third Day.

MORNING.

9 A. M., Meeting of the Florists' Hail Association. Meeting of the American Carnation Society.

10 A. M., Meeting of the American Gladiolus Society. Meeting of the American Rose Society.

11 A. M. to 12 M., Polls Open for the Election of Officers.

AFTERNOON.

2 P. M., Question Box: Essay—"Adaptation of Plants to Soil," by Prof. Geo. E. Stone, Amherst, Mass.



E. ALLEN

Chairman Entertainment Committee.



HERMAN H. BARTSCH

Vice-President Gardeners' and Florists' Club of Boston.



A. P. CALDER

Chairman Information and Historical Committee.

OFFICERS OF THE LADIES S. A. F.



MRS. M. A. PATTEN
Vice President Ladies' Society of American Florists.

PROGRAM OF ENTERTAINMENT.

Tuesday, August 18—First Day.

8.00 P. M. Reception to President Wirth—Copley Plaza Hotel. Music. Dancing. Refreshments; strictly informal.

Wednesday, August 19—Second Day.

Ladies' Bowling.

2 P. M. Individual Ladies' Bowling Contests. S. A. F. ladies and friends invited to participate. Prizes awarded to Ladies' S. A. F. members only. New Boston Alleys, 167 Washington street, Boston. From Copley-Plaza Hotel or Mechanics' Building, take any subway car to Park street; transfer there to any north bound car and get off next station, Scollay Square, one block east to Washington street, then north to alleys. Buffet lunch at alleys.

(For list of prizes see below.)

Ladies' Reception.

8.45 P. M. The Ladies' Society of American Florists will entertain at the Copley-Plaza Hotel.

Thursday, August 20—Third Day.

Automobile Ride for Ladies.

9.00 A. M. Automobile ride for members of the Ladies' S. A. F. and lady guests. Start from Copley-Plaza Hotel at 9.00 A. M. sharp. A North Shore ride from Boston to Manchester-by-the-Sea. Entertainment and lunch served by the North Shore Horticultural Society.

Annual Bowling Tournament.

2.00 P. M. Annual Bowling Tournament open to members of the S. A. F. and O. H. New Boston Alleys, 167 Washington street, Boston. From Copley-Plaza Hotel or Mechanics' Building, take any subway car to Park street; transfer there to any north-bound car and get off at next station, Scollay Square; one block east to Washington street, then north to alleys.



MRS. CHAS. E. CRICHELL
President Ladies' Society of American Florists.

Men's Team Bowling. Any recognized Florist Club allowed to enter a team of five (5) men, all of whom must be members of the S. A. F.

(For list of prizes see below.)

Friday, August 21—Fourth Day. Boston Day.

Harbor Trip. Games at Fort Warren and Banquet at Nantasket Beach, as guests of the Horticultural Interests of Boston.

Steamer for Fort Warren leaves Rowe's Wharf, Atlantic avenue, 9.00 A. M. sharp.

Music, Teele's Band. Leo Feist's Serenaders and all the popular songs. Games at Fort Warren, Boston Har-



MRS. CHAS. H. MAYNARD
Secretary Ladies' Society of American Florists.

bor, 10.00 A. M. (For list of prizes see below.) Leave Fort Warren, 1.00 P. M., sail to Boston Light; buffet lunch. Dinner, New Rockland House, Nantasket Beach, 3.00 P. M. Special cars leave Copley Square at 8.45 for Rowe's Wharf, Atlantic avenue. Regular car service: South Boston car to Dover street, transfer to Rowe's Wharf car; or Rowe's Wharf car from Copley Square every 15 minutes; or any subway car in front of Copley-Plaza or Mechanics' Building, transfer at Boylston street and take surface car in front of the Hotel Touraine to Rowe's Wharf.

IMPORTANT. Members will be requested to fill out a blank form at time of registering at Secretary's office, which may be exchanged at the Information Bureau, Mechanics Building, or at Rowe's Wharf on Friday, August 21st, for regular excursion ticket. Obtain excursion tickets as soon as possible and greatly oblige the Committee.

COMPLETE LIST OF SPORTING EVENTS, PRIZES AND THEIR DONORS.

Ladies' Bowling Tournament, Wednesday, Aug. 19, 2 P. M.

Nobody allowed more than two prizes.

Greatest number of pins in two games—Ladies' S. A. F. prize. 2nd—Electrolite, Boston Ladies' S. A. F. 3rd—Cut glass vase, Mrs. W. W. Edgar 4th—Seth Thomas clock, Mrs. B. Hammond Tracy. 5th—Silver deposit colonial pitcher, Mrs. W. R. Nicholson 6th—German fern dish, P. L. Carbone 7th—Italian flower jar, P. L. Carbone 8th—A. M. Herr prize. 9th—Silver photograph frame, Elmer D. Smith. 10th—Hand-painted sugar bowl and creamer, Elmer D. Smith. Best single string \$10.00 in gold, Poehlmann Bros. Co. Most strikes in two games \$5.00 in gold, H. F. Michell. Most spares Silver cup, Penn the Florist.



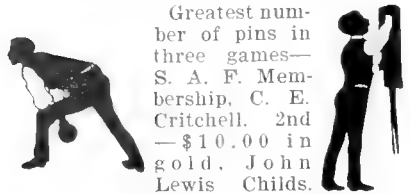
MRS. A. M. HERR
Treasurer Ladies' Society of American Florists.

Ladies' Candlepin Tournament.

Greatest number pins in two games—Cut glass electrolier, Boston Convention Committee. 2nd—Electric toaster, Boston Convention Committee. 3rd—Cut glass vase, Boston Convention Committee. 4th—Gilt bon bon basket, Boston Convention Committee. 5th—Ladies' gold pin, A. Stowell Co. Best single string—\$5.00 in gold, Boston Convention Committee.

All contestants must be members of the S. A. F. & O. H. in order to take part in the bowling events.

Nobody allowed to win more than two prizes.

Men's Individual Bowling Tournament, Thursday, Aug. 20, at 2 P. M.

Greatest number of pins in three games—S. A. F. Membership, C. E. Critchell. 2nd—\$10.00 in gold, John Lewis Childs.

3rd—50 feet of hose, Revere Rubber Co. 4th—50 feet of hose, Roman J. Irwin. 5th—Gold cuff links, Roman J. Irwin. 6th—Silk umbrella, Excelsior Umbrella Mfg. Co. 7th—Box cigars, Harry Balsley. 8th—Stick pin, E. Allan Peirce. 9th—Stick pin, E. Allan Peirce. 10th—Box of cigars, H. Cohen. Highest single string—\$10.00 gold, John A. Evans. Most strikes in three games—\$5.00 in gold, H. F. Michell Co. Most spares in three games—\$5.00 gold, Conard & Jones Co.

Men's Team Bowling, Thursday, Aug. 20, 4 P. M.

Greatest number pins in three games—\$25.00, Theodore Wirth. 2nd—\$20.00, Florists' Exchange. 3rd—\$15.00, C. S. Strout. 4th—\$10.00, Gude Bros. Co. 5th—\$5.00, William L. Rock Flower Co. Highest single string—\$5.00, S. S. Pennock-Meehan Co. Most strikes in three games—\$5.00, M. Rice Co. Most spares in three games—\$5.00, M. Rice Co.

Men's Candlepin Tournament, Thursday, Aug. 20.

Greatest number pins in three games—\$15.00 gold, A. N. Pierson Co. 2nd—\$10.00 gold, Arthur Cowee. 3rd—\$5.00 gold, Kroeschell Bros. Co. 4th—Military brushes, Kroeschell Bros. Co. 5th—Pearl-handled knife, Kroeschell Bros. Co. Highest single string—Six cravats, Ideal Neckwear Co.

Field Events, Friday, Aug. 21, at Fort Warren.

Baseball game, between teams representing the All Stars of the S. A. F. and Boston. Ten gold stick pins, Henry A. Dreer, Inc. Greatest number of hits—\$5.00 in gold, Henry M. Robinson & Co. Longest hit—\$5.00 in gold, F. Lautenschlager.

Boys' Race, 15 yrs. and under. 1st prize—watch, Michigan Cut Flower Co. 2nd—Baseball glove, Michigan Cut Flower Co. 3rd—Pocket knife, Michigan Cut Flower Co.

Girls' race, 15 yrs. and under. 1st—

Hand bag, Leo Niessen Co. 2nd—Sterling silver bar pin, Leo Niessen Co. 3rd—sterling silver picture frame, Leo Niessen Co.

Single Ladies' Race. 1st—Mrs. P. Welch prize. 2nd—Victor H. Morgan prize.

Married Ladies' Race. 1st—Wicker electrolier, H. Bayersdorfer & Co. 2nd—gilt mirror, A. H. Langjahr. 3rd—cut glass bowl, Moore Seed Co.

100 yds. Open Race. 1st—\$15.00 in gold, W. R. Nicholson. 2nd—Silver cup, Moore Seed Co. 3rd—\$5.00 in gold, Traendly & Schenck.

Fat Man's Race, 200 lbs. or over. 1st prize—\$10 in gold, S. S. Skidelsky Co. 2nd—Gold stick pin, F. E. Palmer. 3rd—Gold cuff links, F. E. Palmer.

3-Legged Race. 1st—\$6.00, H. F. Michell Co. 2nd—\$4.00, H. F. Michell Co. Sack Race. 1st—\$6.00, Geo. B. Hart. 2nd—\$4.00, Geo. B. Hart.

Pipe-and-Tobacco Race. 1st—Cala-bash pipe, A. H. Hews & Co. 2nd—Meerscham pipe, A. H. Hews & Co.

Boot and Shoe Race. 1st—\$6.00, John Young. 2nd—\$4.00, John Young.

Ladies' Blowing Race. 1st—one-half dozen silver teaspoons, Geo. Asmus. 2nd—Pearl handled steak set, Geo. Asmus.

Tug-of-war, East vs. West. 1st prize—\$10.00, Wilkins Press.

LOCAL LADIES' COMMITTEES.

Executive Committee—Mrs. M. A. Patten, chairman; Mrs. W. W. Edgar, secretary; Mrs. B. Hammond Tracy, Mrs. Peter Fisher, Mrs. W. H. Elliott, Mrs. P. Welch, Mrs. Wm. R. Nicholson, Mrs. E. Allan Peirce.

Reception Committee—Mrs. W. W. Edgar, chairman; Mrs. Wm. R. Nicholson, Mrs. P. Welch, Mrs. Henry Penn, Mrs. E. Allan Peirce, Mrs. Frank Edgar, Mrs. Peter Fisher, Mrs. B. Hammond Tracy, Mrs. W. H. Elliott, Mrs. M. A. Patten, Mrs. Wm. Sim, Mrs. F. E. Palmer, Mrs. Katherine Mathison, Mrs. Herbert Capers, Mrs. Henry Comley, Mrs. Wm. J. Stewart, Mrs. John Flood, Mrs. Alexander Montgomery, Mrs. Ethel Fisher Flett, Miss Emelie Edgar, Miss S. N. Comley, Miss Helen Goddard, Mrs. J. W. Rogers.

Bowling Committee—Mrs. B. Hammond Tracy, Mrs. Wm. R. Nicholson, Mrs. Henry Penn, Mrs. E. Allan Peirce.

Historic Committee—Mrs. W. H. Elliott, chairman.

BUREAU OF HORTICULTURAL AND HISTORICAL INTEREST.

The headquarters of the Bureau of Horticultural and Historical Interest and Information, will be stationed near the main entrance to Mechanics Building on the right of passageway to the Hall, and will be designated by a sign "Information." Members of the committee will be in constant attendance to render every assistance in their power in giving information and pilot-ing our guests to places of interest.

OFFICIAL PHOTOGRAPHER.

F. B. Conlin, 53 Temple Place, Boston, has been sanctioned by the local executive committee as official photographer. He will make numerous plates of the garden, exhibits, etc., and a group picture of the party at Nantasket Beach on Friday afternoon.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The date of the Ladies' Reception has been changed from Thursday, Aug. 20, to Wednesday evening, Aug. 19, 8.45, at Copley Plaza, by order of Mrs.



Chas. E. Critchell, President.

A meeting of the Board of Directors is called Tuesday evening, Copley Plaza, by Mrs. W. N. Rudd, Chairman.

Members of above society will find the secretary at her office, Mechanics' Building, Tuesday, Wednesday and Thursday. Members will please register.

MRS. CHAS. H. MAYNARD, Sec'y.

GARDENERS' BOSTON MEETING.

Through the courtesy of the Society of American Florists and Ornamental Horticulturists, the National Association of Gardeners will hold its summer meeting in Paul Revere Hall (Mechanics Hall), Boston, on Wednesday, Aug. 19th, at one o'clock, this being the convention hall of the S. A. F. All gardeners, and all interested in the profession of gardening, are cordially invited to attend this meeting. Several able speakers from different parts of the country will address the meeting on subjects pertaining to the profession of gardening and horticulture in general.

All members in a position to attend the summer meeting should make every effort to do so; to show an interest in their national association. The trip to Boston offers several days of pleasant vacation where the visitors will find much to entertain them. From the horticultural point of view there are few places to be visited in this country which would prove more interesting than a trip to Boston and its vicinity.

An executive meeting of the trustees and directors, as provided in the by-laws, will be held on Wednesday morning, the 19th, at nine o'clock, at the Copley Square Hotel, the headquarters of the association.

Many of the members, going by way of New York, have decided to travel by the outside line of steamers, leaving foot of Murray street on Monday, 17th, five o'clock.

'M. C. EBEL, Sec'y.

CHRYSANTHEMUM SOCIETY OF AMERICA.

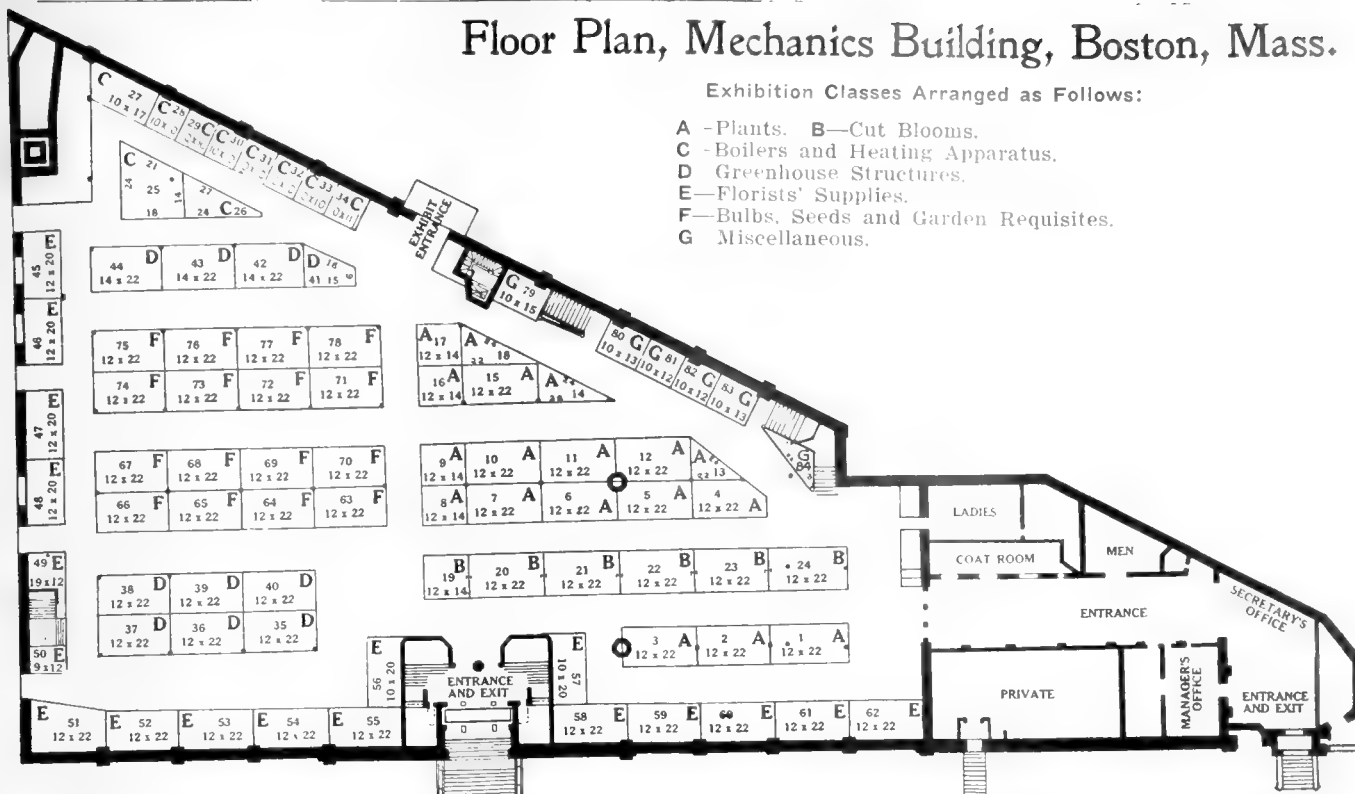
Owing to the absence in Europe of President Kleinheinz, Vice-President A. F. J. Baur will preside at the meeting to be held in Paul Revere Hall, Mechanics' Building, Boston, 9.30 A. M., Wednesday, Aug. 19, 1914. Members attending the convention are requested to be present and to bring up any suggestions they may have for the good of the society. The preparations by The State Florists' Association of Indiana for the annual meeting and exhibition to be held at the German House, Indianapolis, Ind., Nov. 6, 7 and 8, 1914, are going on right up to date. A splendid exhibition and record attendance from members, florists and the public is expected.

CHAS. W. JOHNSON, Sec'y.

Floor Plan, Mechanics Building, Boston, Mass.

Exhibition Classes Arranged as Follows:

- A—Plants. B—Cut Blooms.
C—Boilers and Heating Apparatus.
D—Greenhouse Structures.
E—Florists' Supplies.
F—Bulbs, Seeds and Garden Requisites.
G—Miscellaneous.



LIST OF EXHIBITORS IN THE BOSTON CONVENTION GARDEN.

Bidwell & Fobes, gladioli; A. T. Bodington, gladioli and montbretias; Carter's Tested Seeds, clock dial in plants; John Lewis Childs, gladioli; H. R. Comley, cosmos and white chrysanthemums; Conard & Jones Co., cannas; A. Cowee, Gladiolus Peace; Henry A. Dreer, Inc., nymphaeas; Eastern Nurseries, collection of nursery stock; W. W. Edgar Company, heliotrope and lilies; R. & J. Farquhar & Co., extensive formal garden and Japanese arbor; F. W. Fletcher, antirrhinums; S. J. Goddard, Begonia Gloire de Chate-laine; P. Henderson & Co., Geraniums Gen. Funston; A. H. Hews & Co., planted vases and pottery; Knight & Struck, buddleia and cosmos; H. Magnuson, salvias; W. A. Manda, extensive general display; Mt. Desert Nurseries, phloxes, astilbes, spiraea, etc.; F. E. Palmer, Petunia Veilchenblau and marigolds; Boston Park & Recreation Dept., formal bedding; A. N. Pierson, Inc., extensive display of Baby ramblers, perennials and geraniums, foliage plants and cannas; Wm. Sim, Snapdragon Pride of Cliftondale; E. E. Stewart, gladioli; B. Hammond Tracy, gladioli; Wm. Tricker, aquatic plants; Vaughan's Seed Store, cannas; James Vick's Sons, Gladiolus Rochester White; R. Vincent, Jr. & Sons Co., geraniums; A. M. Davenport, coleus and euonymus; Thomas F. Galvin, formal bedding.

AMERICAN ROSE SOCIETY.

At the Society of American Florists' Annual Convention to be held next week, August 18 to 20, there will be a meeting of the American Rose Society, at which time the Hubbard gold medal will be presented to M. H. Walsh of Woods Hole, Mass., and the silver medal to John Cook of Baltimore, Md.,

in recognition of the merits of the rose Radiance. Other matters in a general way will be taken up, particularly the efforts being made to extend the usefulness of the American Rose Society among local associations throughout the country. This is a movement that every commercial rose grower in the country, and especially the plant men, would be benefited in seeing carried out. The American Rose Society has grown steadily, and the time may now be at hand where a large advance in its membership may be secured.

Theodore Wirth, President of the

S. A. F., and Superintendent of Parks at Minneapolis, Minn., writes: "I have something which may be of value to some rose growers, particularly amateurs. We have been very successful in subduing mildew by using the following preparation: 3 gals. water, 6 ozs. soap (soft), 2 ozs. potassium sulphide. We dissolve the soap in water, then add the potassium sulphide. This spray is also very good for aphids and will help along blighted buds. For mildew, as I have already said, it is the best thing we have ever tried. I am giving this to you for general information."

Roses this year have certainly shown up in fine condition in many sections. Come to the meeting of the American Rose Society when you go to Boston next week.

BENJAMIN HAMMOND, Sec'y.
Beacon, N. Y.

CHICAGO TO BOSTON.

Niagara Falls Stop-off.

On the way to the convention city, as already announced, there will be a stop-off at Niagara Falls from 12.04 o'clock to 3.50 P. M., Monday, August 17. The fare from Chicago to Boston and return is \$30, good for 30 days. Berths, Chicago to Boston (one way), lower, \$5.50; upper, \$4.40. The foregoing rates apply only to Boston and return.

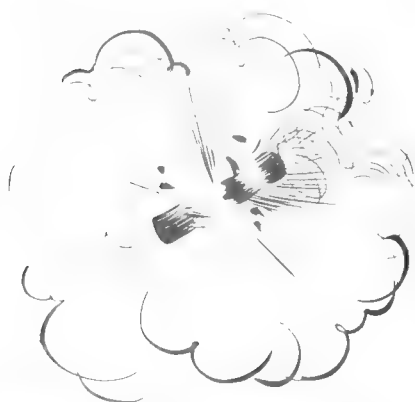
The Chicago Florists' Club, at its meeting of August 6, instructed its transportation committee to arrange for through Pullman cars Chicago to Boston so that it will not be necessary to transfer baggage at Niagara Falls. There will be an additional charge of 50 cents for this accommodation.

MICHAEL BARKER, Chairman,
Chicago Florists' Club,
Transportation Committee.



WILLIAM P. RICH

Secretary Massachusetts Horticultural Society.



WAR OR NO WAR!

We have FRENCH BULBS, and while they last
we are offering

Paper Whites Grandiflora, \$8.50 per 1000

ST. DAVID'S HARRISII

5 to 7 Plump Bulbs	-	-	-	-	400 to case, \$20.00
7 to 9 " "	-	-	-	-	200 to case, 20.00
TOBACCO DUST for dusting	-	-	-	-	100 lbs. 2.00
ROSE BONE	-	-	-	-	200 " 4.50
SCOTCH SOOT	-	-	-	-	112 " 3.00

WM. ELLIOTT & SONS, 42 Vesey Street, NEW YORK

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SPRAYING-VAPORIZING-FUMIGATING

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Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

AFFILIATION FOR CO-OPERATION.

I think enough has happened this past year in horticulture to bring affiliation closer home with most branches of horticulture. Anybody who has eyes to see and ears to hear can discern the sign of the times, the need for combined effort to give and to hold the rights in our profession, a profession which does so much for better life and better citizenship. Our whole great country is aroused against the ravages of rum. Let us help, in a more sensible way than the many misdirected efforts, by building up the home ties and taste, the love for flowers and plants and trees. That branch of education rests with us.

So that we can all do our best, no matter what branch we are in, we must not be hampered by unjust legislation, by dishonest and greedy competition. We should be on the same footing all over the country, honest seeds and trees and plants and flowers. No sliding scales. Neither wealth, nor position, nor ignorance should be a factor in any sale. Integrity should be written all over our great profession, all its branches, absolute and always. If we want to be educators, we must be honest to ourselves and to the public. No Burbankism will stand the acid test of the public for any length of time.

To do this, we must get closer together so we can understand each other's needs better. Brains, applied science and common sense should soon make us independent of Dutch and French bulb growers, English roses and nursery stock, and German seeds. In our great country we should and would be able to find climate and soils for all purposes. But such enterprises

must be helped from some central point, where tests and records can be made and kept, and so stimulate this enterprise from one common source. It takes a staff of able men to take care of all problems of horticulture so that scientific and practical methods can be applied to all branches needing this help and protection. As we grow, so must our problems grow towards the public. Constructive foresight is a great asset. Let us make it in time. I again appeal to your loyalty and common sense to help and uplift your chosen profession. Everyone should care to see horticulture shoulder to shoulder with other enterprises. At the present time it is not.

The verdict against the growers of flowers and plants in Ohio a month or so ago, taxing greenhouse products as personal property, is the straw that shows how the wind blows. The public in general thinks that the florists and those engaged in allied branches are making money by the barrel, therefore make them pay taxes. What is a law now in Ohio will possibly soon be

tried in other states, such as Illinois, New York and Pennsylvania. We must not lose sight of the good will of the people.

It was an ugly blow to our seed merchants when the government gave its contract for seed to English firms. It seems as if the integrity of the home merchant were doubted. What is our seed trade going to do about it? If responsible firms did not care to take the orders the government had to give, on account of their agitation against free seed, they seem to have made a mistake. They forgot the public. Foreign seedsmen will make the most out of it and advertise it widely, and the public here will wonder why did Uncle Sam do it. It leaves the door wide open to all kinds of harmful conjectures. Watchful waiting does not seem to have sufficed as far as the seedsmen's troubles are concerned.

I think a more aggressive method, backed by all horticultural interests would put a different aspect on this feature. The seedsmen could not make a wiser move, and for that matter all

DON'T FAIL, if interested in our

NEW CARNATION "ALICE"

to visit Ellis when at the Convention, and see the stock of this Grand Variety, from which cuttings will be taken next Fall. Advance orders for 100,000 now booked. Steam Cars for Ellis leave South Station. Electric Cars from Boston pass the door. Take Elevated Trains to Forest Hills, then Norwood and East Walpole Cars which pass the greenhouses.

PETER FISHER - ELLIS, MASS.

POEHLMANN'S 'MUMS

2½ inch Pompons and Standards now reduced for quick and

FINAL CLEARANCE

200,000 late propagated extra fine healthy stock all varieties listed by us

\$2.20 per 100; \$20.00 per 1000

TRY OUR 'MUMS and be convinced that our choice commercial varieties are the ones that will bring you the largest returns for the amount invested. We have a fine healthy lot of nice soft plants in splendid growing condition, but we need more room and in order to move this stock quickly we are making **A BIG REDUCTION IN PRICES**. You can now buy any variety listed by us, Pompons or Standards, for \$20.00 per 1000—a direct saving of from 25 per cent. to 75 per cent. on our regular prices. Better hurry your order as this stock will not last long at these **SPECIAL PRICES**. Note the price \$2.20 per 100, \$20.00 per 1000.

CHRYSANTHEMUMS

EARLY	MIDSEASON	LATE
White— Smith's Advance Oct. Frost Virginia Poehlmann Alice Salomon	White— Mrs. Chas. Razer Elise Papworth	White— Timothy Eaton Lynwood Hall
Yellow— Chrysolora	Yellow— Bonaffon Crocus Ramapo	Yellow— Yellow Eaton
Pink— McNeice	Pink— Enguehardt Chieftain	Pink— Maud Dean Patty R. E. Loeben
		Crimson— Schrimpton

POMPONS and SINGLES

NEW ONES

Chieftain — Pink, Alice Salomon.

POMPONS

Yellow—
Krut
Skibo
Madge
Klondyke
Baby
Big Baby
Quinola
Red—
Rufus
LaGravere

White—
Waco
Alva
Helen Newberry
Kemmit

Pink—
Nellie Bly
Fairy Queen
Alvina

Bronze—
Madam Laporte
Mrs. Beu
SINGLE POMPONS
White—
Mensa
Bronze—
Pauline
Parkinson
Single Pink

SUPREME QUALITY ROSE STOCK

BEST PLANTS THAT MONEY CAN BUY. Growers are always on the lookout for quality rose stock. They realize that the best at the start is the cheapest in the end. When buying plants it is always best to secure your stock from people that have a reputation for producing the best there is to be had. You cannot get any better stock than that which we are offering, for we always aim to give the purchaser the best that our long years of experience enable us to do.

GRAFTED ROSES

2½-in. Plants.
Pink Killarney, White Killarney, Milady, Mrs. Taft (Bulgaria or Antoine Rivoire), Richmond, Mrs. Geo. Sawyer, at \$12.00 per 100; \$100.00 per 1000.
Mrs. Chas. Russell, grafted, 2½-in., at \$15.00 per 100; \$120.00 per 1000.
Killarney Brilliant, grafted, 2½-in., at \$30.00 per 100; \$250.00 per 1000; 3½-in., \$35.00 per 100; \$300.00 per 1000.

2½-in. Plants.
Richmond, 2½-in., \$90.00 per 1000; 3½-in., \$120.00 per 1000. Richmond and Milady are extra strong plants.
3½-in. Grafted.
Milady, Mrs. Geo. Sawyer, Bulgaria, Pink Killarney, \$15.00 per 100; \$135.00 per 1000.
150 Russell and 100 small Hadley at \$15.00 per 100.

OWN ROOT ROSES

2½-in. Plants.
Killarney, Mrs. Taft, (Bulgaria or Antoine Rivoire) Milady, at \$6.00 per 100; \$55.00 per 1000.
3½-in. Plants.
Pink Killarney, Mrs. Geo. Sawyer, Milady at \$8.50 per 100; \$75.00 per 1000.
Richmond at \$7 per 100; \$65.00 per 1000.
Cecil Brunner, \$8.00 per 100; \$75.00 per 1000.

Beauties, 3-inch, \$6.00 per 100; \$55.00 per 1000. Ready to ship. All first class stock. 2-in. Beauties all sold.

Orders will be taken for cut back benching plants, when these are on hand, for White Killarney, Mrs. Ward, Double Pink Killarney and Melody, at \$5.00 per 100; \$40.00 per 1000. Beauties at \$6.00 per 100; \$55.00 per 1000.

These prices are in effect now; 30 for cash in 10 days.

FIELD GROWN CARNATIONS

STEVIA, 2-inch, at \$20.00 per 1000

POEHLMANN BROS. CO., BOX 127, Morton Grove, Ill.

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**PALMS AND GENERAL DECORATIVE PLANTS
CONIFERS, SHADE AND ORNAMENTAL TREES**

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Nurserymen and Florists, RUTHERFORD, N. J.

THE FRAMINGHAM NURSERIES

200 ACRES,

TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.

W. B. WHITTIER & CO.



FINE STOCK OF

RHODODENDRONS,

Send for KALMIAS AND
Price List ANDROMEDAS.

FRAMINGHAM, MASS.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS

A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc

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North Abington, Mass.

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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.



PRINCESS. 20—The New Upright Pansy

This strain is entirely distinct from all others. It is absolutely compact, upright growing, and extremely weather proof, enduring many storms without damage to its flower. The flowers are mostly blotched and frilled like the Masterpiece, of good form and heavy velvety texture, on heavy stems carried well above the foliage. Attractive by the brilliancy of its colors.

500 seeds, 25c 1000 50c 1/4 oz. \$2.50, 1 oz. \$10.00

- 34 — Bronze — Brown and copper shades mixed
- 36 — Fancy — Rich colors, mostly margined
- 38 — Mme Perret — Red and wine shades
- 40 — Zebra — Fine striped mixture
- 42 — Adonis — Light blue, white center
- 44 — Black — Almost coal black
- 46 — Black with bronze center
- 48 — Lord Beaconsfield — Purple shaded white
- 50 — Bronze — Beautiful Bronze.
- 52 — Bronze with yellow center.
- 54 — Velvet Brown with yellow center.
- 56 — Havana Brown
- 58 — Havana Brown with yellow center
- 60 — Cardinal — Curled bright red, dark blotch
- 62 — Cecily — Steel blue, margined white
- 64 — Goliath — Large curled yellow blotched
- 66 — Hero — Curled, deep blue shaded white

The KENILWORTH Giant Pansy

seeds are all grown by myself and are offered in the following mixtures and separate colors:

- 22—**KENILWORTH STRAIN**—The flowers are of perfect form and substance; many of the immense flowers are from 3 1/2 to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.
- 24—**KENILWORTH SHOW**—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.
- 26—**KENILWORTH CUT FLOWER MIXTURE**—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.
- 28—**MASTERPIECE**—A remarkable type; the curled, wavy petals giving the flower a double appearance, large flowers of great substance, on long, strong stem.
- 30—**GIANT THREE AND FIVE BLOTCHED PANSIES**—A superb mixture. Flowers large and of circular form and of great substance. The display of coloring is unsurpassed. A combination of almost every shade of rich velvety colors, reds are particularly conspicuous; the petals being distinctly marked with three or five large dark blotches.

NEW SEED NOW READY.

All sorts and mixtures, except the new Pansy Princess, are \$5.00 per oz., \$1.25 per 1/4 oz.; 5000 seeds, \$1.00; trade packet of 1000 seeds, 25 cents; any 5 pkts., \$1.00. Please order by number.

- 68 — Emp. William — Ultramarine blue, violet eye
- 70 — Eros — Velvety brown, yellow margin
- 72 — Emp. Franz Joseph — White blotched blue
- 74 — Emp. Frederick — Maroon with gold edge
- 76 — Fairy Queen — Azure blue, white edge
- 78 — Freya — Purplish violet, white edge
- 80 — Gold-Edge — Velvety brown, gold edge
- 84 — Superba — Orchid tints of red and wine
- 86 — Sunlight — Yellow with brown blotches
- 88 — Andromeda — Curled apple blossom
- 90 — Colossea Venosa — Light veined shades
- 92 — Almond Blossom — Delicate rose
- 94 — Aurora — Terra cotta shades
- 96 — Mammoth — Greenish yellow shades
- 97 — The above 7 named Orchid mixed
- 98 — Indigo Blue — Deep velvety blue
- 100 — Light Blue shades
- 102 — Minerva — Red ground, violet blotched
- 104 — Meteor — Bright red brown
- 106 — Pres McKinley — Yellow, dark blotched
- 108 — Mahogany with white margin
- 110 — Mahogany with yellow margin
- 112 — Mourning Clock — Black with white edge
- 114 — Purple — Large rich deep color.
- 116 — Peacock — Blue, rosy face, white edge
- 118 — Psyche Curled white, five blotches
- 120 — Pres Carnot — White, five blue blotches.

- 126 — Red — A collection of rich red shades.
- 128 — Red Riding Hood — Curled and blotched.
- 130 — Rosy Morn — Purple crimson, white edge.
- 132 — Striped on lilac ground.
- 134 — Striped on bronze ground.
- 136 — Victoria — Blood red, violet blotches.
- 138 — White, Large satiny white
- 140 — White with violet blotch.
- 142 — Yellow, Large golden yellow.
- 144 — Yellow with dark blotch
- 146 — 34 to 144 mixed in equal proportions

For fuller description send for catalogue

RAINBOW is a mixture of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

other branches of horticulture, than to join hands with the S. A. F. & O. H. as a society. This great society is broad in scope, and it has a charter made to suit these very purposes. The times are here to combine; teamwork is what is needed. Horticulture does not produce multi-millionaires, our means are all moderate, so as individuals we may not amount to much, but we are strong in numbers. If we could only forget for once our special interests and feel more as a horticulturist in the broadest sense of the word, we would then soon get together on a basis of mutual benefit. Horticulture united will put all on a higher plane of life, from the humble private gardener to the most exalted position in horticulture.

All who go to Boston will have a chance to vote on affiliation either one way or the other. Other members who cannot be there and think favorably of affiliation, please send me a letter with just these words: "I am in favor of affiliation" and your name. I will make the most of it, and this holds good of any man in business, in any branch of horticulture, whether nurseryman, seedsman, private gardener, send me just those few words. The stronger the effort, the quicker the results. You don't need to be a member of the S. A. F. to show your sentiments towards affiliation. It may turn out to be the straw to show how the wind blows. Do it now.

ADOLPH FARENWALD.

Roslyn, Pa.

A SPECIAL EXHIBITION.

The Massachusetts Horticultural Society has arranged for a special plant and flower show at Horticultural Hall, Boston as a compliment to the Society of American Florists, on Tuesday, Wednesday and Thursday of Convention week. It is hoped that the sensational exhibit of caladiums which was made by Mr. Marlborough of the Proctor Estate last week may be again secured as a feature.

We were shown flower spikes of the gladiolus stock referred to in the advertisement of Charles Millang in this paper and must say we have never seen finer blooms—the stalks averaging three to four feet in height. Pink Beauty and America were fine.

STANDARD POT RECORDS.

We are pleased to learn that after these many years an original copy of the standard flower pot committee's report at the convention in Boston, 1890, together with complete diagrams and measurements of all sizes has at last been found. The S. A. F. and the trade are indebted to Mr. Hall of A. H. Hews Company, Cambridge, who unearthed it and has kindly placed it in the hands of J. K. M. L. Farquhar and Thomas Roland for the society to make such use of it as may seem desirable.

A special delegation from the Florists' and Gardeners' Club of Rhode Island is scheduled to attend the Convention on Wednesday, 19th.

Convince yourself by
sending six cents
for a sample
post paid.



The genuine Red Devil Glass Cutter has a steel wheel that is HAND HONED. Each wheel is individually inspected and selected, and receives the same careful attention accorded a high grade razor.

The Red Devil is the most economical glass cutter made for little or much cutting.

Send for booklet and insist on Red Devils.

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Manufacturers of 3000 styles, sizes and finishes of Red Devils.

Miscellaneous Stock

A few items every florist needs. For complete list send for catalog No. 5. Send us your list of wants.

CALADIUM ESCULENTUM—Good bulbs with sound centers: 5 to 7 in. circumference, \$2.00 per 100; 7 to 9 in. circumference, \$3.00 per 100; 9 to 11 in. circumference, \$6.00 per 100.

BEGONIA, TUBEROUS ROOTED—Bulbs large from one of Belgium's best growers: Single Separate colors, \$2.50 per 100, \$22.50 per 1000; Single Mixed colors, \$2.25 per 100, \$20.00 per 1000; Double Separate colors, \$4.50 per 100, \$40.00 per 1000; Double Mixed colors, \$4.00 per 100, \$35.00 per 1000.

GLOXINIAS—Fine sound bulbs in separate colors, \$4.00 per 100, \$35.00 per 1000.

RHODODENDRONS—A fine lot of hardy sorts, in plants full of buds and with good foliage, 18 in. high, 8 to 12 buds, \$9.00 per doz.; 24 in. high, 12 to 14 buds, \$12.00 per doz.

AZALEA MOLLIS—Bushy, well budded plants, 15 to 18 in. high, \$35.00 per dozen.

DUTCHMAN'S PIPE—Aristolochia Sipho, tops 4 ft. long, a grand vine for shade and cold exposure, \$3.50 per dozen, \$25.00 per 100.

MAGNOLIA—Fine well budded plants, with ball of earth, burlapped; all varieties, White, Pink and Red, 4 to 5 ft. high, \$1.50 each. Stellata or Halleana, early star shaped white, 2½ to 3 ft. high, at \$1.50 each.

ENGLISH IVY—Two or more shoots, 3 ft. long, \$12.00 per 100.

The Storrs & Harrison Co.

Painesville, O.

FERNS FOR DISHES

All the varieties. Sturdy little stock, unsurpassed quality. Any quantity, selection as ordered

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ASPLENIUM NIDUS-AVIS

Largest Stock of Young Plants in America

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We have **ARAUCARIA EXCELSA** by the thousand. New crop just arrived from Belgium, all started up, and right for sale now. Good value for your money. 5½ in. and 6 in. pots, 3, 4, 5 tiers, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50. **GLAUCA** and **ROBUSTA COMPACTA**, 6 in., 7 in. pots, \$1.00, \$1.25, \$1.50, \$2.00.

CASH WITH ORDER.

Godfrey Aschmann

Importer and Wholesale Dealer in Araucarias.

1012 W. Ontario St., PHILADELPHIA PA.

POINSETTIAS

ORDER NOW FOR PRESENT DELIVERY
TRUE TYPE

THE LARGE BRACT KIND, shipped you in 2½-inch Paper Pots. No soil lost in shipping.

PRICE, \$5.50 per 100; \$50.00 per 1000.

A. Henderson & Co.

369 RIVER ST., CHICAGO.

Asparagus Plumosus Nanus

EXTRA STRONG STUFF. READY NOW. 100,000 Seedlings at a sacrifice, for quick returns.

\$1.00 per 100; \$5.00 per 1,000.

You know what the seed costs and can sense this bargain.

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Headquarters for

Sturdy New England Grown

Dish Ferns, Geraniums and Bedding Plants

Quality High Prices Right

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4 1-2 to 6 inch.

ERNEST OECHSLIN

Madison St. and Gale Ave.,

RIVER FOREST ILL.

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DECORATIVE PLANTS

OF HIGH QUALITY

Fifth Ave. and 65th Street, Brooklyn and Whitestone, L. I., New York

BOSTON FERNS 2 ½ in. \$3.00 per 100, \$30 1000

ROOSEVELT, 2 1-2 in.; \$5 per 100, \$40 per 1000.

WHITMANI COMPACTA 2 1-2 in. \$5 per 100, \$40 per 1000.

250 at 1000 rates.

All sold up to the last of July.

H. H. BARROWS & SON, Whitman, Mass

Flowering, Decorative and Vegetable Plants

In abundance Always on Hand. See our Display Advertisement in "Horticulture," May 23rd, Page 768.

Correspondence Solicited.

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Wholesale Florist, WASHINGTON, N. J.

LILY BULBS

RALPH M. WARD & CO.

71 MURRAY ST., - NEW YORK

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JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

CHRYSANTHEMUMS

— ROOTED CUTTINGS —

John Shrimpton, Nagoya, Patty, Unaka, Chrysolora.

\$3.00 per 100; \$20.00 per 1000.

Early Snow, Glory Pacific, Harry May, Jennie Nonin, Moneymaker, Major Bonnaffon, Polly Rose, Pacific Supreme, Robt. Halliday, Smith's Advance, White Bonnaffon.

\$2.00 per 100; \$15.00 per 1000.

Wood Brothers FISHKILL, N. Y.

FERNS IN FLATS

ALL VARIETIES

We ship by express during July and August, stock ready for 2½-inch pots in flats of about 110 clumps, which can be divided.

Price, \$2.00 per flat.

20 or more flats, \$1.75 each.

Packing included.

Order now while we have full list of varieties to select from

Write for Illustrated Folder.

McHUTCHISON & CO.

17 Murray Street, NEW YORK

PRIMULA MALACOIDES

Out of three-inch pots at \$5.00 per hundred —out of 2½-inch pots at \$3.00 per hundred. This is excellent healthy stock for growing on. Cash with order please.

A. L. MILLER, Jamaica Ave., BROOKLYN, N. Y.

THE BUGS ARE BUSY

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Prepaid to Your Door

1 Gal. Can...\$13.50 ½ Gal. Can... \$7.00
288 Sheets Paper..... 8.50
144 Sheets Paper..... 4.50

ROMAN J. IRWIN, 71 West 23rd St. NEW YORK

HYDRANGEAS, young plants in 4 in. pots for Easter-forcing with 4 to 5 flowering branches as Avalanche, Bouquet-Rose, Andre Leroy's Blue at \$12 per 100. Mme. Mouillere, General de Vibraye, Souvenir de Chantard and Radiant at \$15 per 100.

ANTON SCHULTHEIS, 316-19th Street, College Point, L.I., N.Y.

HIGH GRADE



Seeds, Bulbs, Plants, Insecticides and Agricultural Hardware

SELECTED STOCKS FOR THE FLORIST
AND MARKET GARDENER A SPECIALTY

Lilium Harrisii and Formosum, Freesias and Buttercup Oxalis

Ready for Immediate Shipment

JOSEPH BRECK & SONS, Corporation

51 and 52 North Market Street, Boston, Mass.

Our Nursery and Seed Trial Grounds are conducted by Breck-Robinson Nurseries, Inc., Munroe Station, Lexington, Mass. Especial attention paid to Landscape Designing, Planting, Forestry, Horticulture, Etc. All Catalogs mailed free, on request.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

Effect of the European War.

Fifteen of the Leonard Seed Co.'s traveling salesmen were called together at the Chicago office the last week in July and the first of what will be semi-annual conferences was held. That they might fully understand the situation, the company's seed farms in Michigan, Wisconsin and Illinois were visited and the condition of crops noted. The 550 acres just outside of La Grange, where small seeds are tested received especial attention. As a result of the tour it was decided that wax beans were short, the present price being from \$6.00 to \$8.00 per bushel, and also a slight shortage of some varieties of peas, including those used by canners. The cutting off of European seeds is adding to the demand for home-grown ones and this firm predicts a decided change in the seed market in consequence. European seed houses have recalled a large proportion of their salesmen in this country. Trade is unusually brisk

with the Leonard Seed Co. and the heads of departments have so far found vacations out of the question.

Owing to unsettled conditions in Europe all grass and clover seeds originating there are sharply higher and in many cases unobtainable. In fact, it is a hard matter to place an order on any terms in most places. We think, however, that after the first flush of the scare is over, the situation will develop reasonable supplies in a good many lines, especially along the line of the earlier grasses already harvested and cleaned. This does not apply, of course, to German sources of supply. The Holland houses with neutral ports and a clear passage at sea, will no doubt be available up to the limit of their supplies, and will do their best.

PUBLICATIONS RECEIVED.

Chrysanthemum Society of America. Proceedings of the Twelfth Annual Meeting, held at Art Institute, Chicago, Ill., November 5, 6 and 7, 1913. Contains a report of the meetings, list of members, list of varieties domestic and foreign disseminated in 1913, etc. A portrait of Wm. Kleinheinz, president, forms the frontispiece.

Annual Report of the Park Commissioners of the City of Haverhill, Mass., for year 1913. This is the 23rd annual report of the small but well-kept park department under the efficient superintendency of Henry Frost.

CATALOGUES RECEIVED.

Union Nurseries, Oudenbosch, Holland.—Wholesale Catalogue 1914-'15. McHutchison & Co., New York, are exclusive American agents.

Framingham Nurseries, Framingham, Mass. (W. B. Whittier & Company)—Trade Price List of Evergreens for August and Summer Planting, 1914.

WARNING TO THE TRADE.

The trade is warned against a young man who has made his appearance in the New England States, who is representing himself as "Young Mr. Dreer." In one instance, on a plausible story, he secured the loan of some money from a brother florist. There is no such person as a young Mr. Dreer and William F. Dreer is not in the country at this time.

HENRY A. DREER, INC.

ORDERS SOLICITED The Lily Without a Peer MEYER'S T BRAND

Formosums GIGANTEUMS Multiflorum
CORP. OF CHAS. F. MEYER
99 Warren St., New York

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

All Seeds and Bulbs sold by Thorburn are always of the very highest quality and true to name.

ASPARAGUS

Plumose	Nanus
Per 1,000	
1,000	\$2.00
5,000	1.75
10,000	1.65

TUBEROSES

Dwarf Double Pearl
Extra large size
\$7.50 per 1000

J.M. Thorburn & Co.

"The most reliable seeds"

53 Barclay St.

NEW YORK, N. Y.

Bulbs Bulbs Bulbs

NOW READY

HARRISH LILIES, 7x9, \$1.35 doz., \$8.75 hundred.

AMARYLLIS JOHNSONI, large bulbs, 25c. each, \$2.25 doz.

AMARYLLIS VITTATA HYBRID, Giant Flowering, 50c. each, \$5.50 doz.

OXALIS, BERMUDA BUTTERCUP, mammoth bulbs, 20c. doz., \$1.10 hundred.

PANSY, Giant Superb Mixed, our own special strain. Cannot be surpassed. Convince yourself. 1-32 oz. 25c., 1/8 oz. 60c., 1/4 oz. \$1.35, 1 oz. \$5.00.

JAMES VICK'S SONS, ROCHESTER NEW YORK

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

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GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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California Seed Growers Association, Inc.

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SAN JOSE CALIFORNIA

New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.

ASTERS—All varieties.

VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St. STAMFORD, CONN.

MIGNONETTE

Farquhar's Universal

Sow Now For Fall Crop



One of the finest varieties for the greenhouse, producing immense flower spikes of reddish green, sweetly scented. The seed we offer was saved for us by one of the largest growers of Mignonette for the Boston market.

Oz. \$15.00, 1/4 oz. \$3.75
1/8 oz. \$2.00, 1-16 oz. \$1.00

Order early
as our stock is
limited

**R. & J.
Farquhar
& Co.
Boston, Mass.**

STRAWBERRY PLANTS

POT GROWN

New and Standard Varieties. Ready for Shipment June 15th

Write for our midsummer Price List mailed free

BURNETT BROS.

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98 Chambers St., NEW YORK

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds

LEONARD SEED CO.

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Write for Prices

J. BOLGIANO & SON
WHOLESALE FIELD AND GARDEN SEEDS
Established 1818
Write For Our Low Prices
**LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.**

MY NEW LIST OF
Winter Spencer Sweet Pea Seed
Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

FOTTLER, FISKE, RAWSON CO.

12 and 13 Faneuil Hall Square, BOSTON, MASS.

BULBS

FOR FORCING

HYACINTHS—

White Roman

NARCISSUS—

Paper White Grandiflora

FREESIA PURITY—

Selected Strain

1st Size, M, - - \$15.00

Mammoth, M, - - 20.00

LILIES

HARRISII

LONGIFLORUM

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FORMOSUM

A Complete Stock of

DUTCH BULBS

FOR FLORIST USE

Best Quality Procurable



LUPIN, PINK BEAUTY.
Excellent for Forcing.

SEEDS

FOR FALL SOWING

CINERARIA GRANDIFLORA
NANA

Trade Pkt., \$1.00.

CALENDULA—Orange King.
Trade Pkt., 10c.; Oz., 25c.

CANDYTUFT—Giant White Perfection.

Trade Pkt., 15c.; Oz., 50c.

CENTAUREA CYANEA—Emperor William, Double, Blue
Trade Pkt., 20c.; Oz., 60c.

CYCLAMEN—Gold Medal Strain
100 Seed, \$1.00; 1,000 Seed, \$8.00.

LUPINS—Pink Beauty

Trade Pkt., 10c.; Oz., 30c.

MIGNONETTE—Fottler's Eclipse
Trade Pkt., 75c.; Oz., \$5.00.

PANSIES—Triumph. Exhibition Mixture

Trade Pkt., 75c.; Oz., \$6.00.

Boston Florist Mixture

Trade Pkt., 75c.; Oz., \$5.00.

STOCKS—Boston Flower Market
White, Trade Pkt., 75c.; Oz., \$5.00.
Colors, Trade Pkt., 60c.; Oz., \$4.00.

WALLFLOWER—Early Parisian
Brown, Trade Pkt., 10c.; Oz., 30c.
Blood Red, Trade Pkt., 15c.; Oz., 50c.

LILIUM FORMOSUMS

Owing to the large crop we have a surplus
of the following sizes:

7-9 in., 9-10 in., 10-11 in. and 11-13 in.

Write for prices today.

Stock limited

YOKOHAMA NURSERY CO.

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The House of Burpee

is recognized throughout the world as American headquarters for Sweet Peas. Our strains are selected with special care, and the seed is the best it is possible to produce. THE BURPEE SEED CROPS, both on our own farms and under contract, are subject to careful, critical inspection during growth, while samples of every lot are tested both for vitality and trueness to type.

The Burpee Standard in Seeds

is the highest it is possible to attain today, and yet we aim for still further betterment. Progress is our watchword! Planters, whether gardening for pleasure or profit, soon learn that the best is the cheapest. The cost of the very best seeds is so small compared with the value of the resulting crop that sensible planters know they cannot afford to risk seeds of doubtful pedigree,—and we know just as well that we cannot afford to risk our hard-earned reputation by selling stock of uncertain character.

We are Specialists in Seeds.

Our entire time is devoted to producing and distributing seeds,—seeds only, and only seeds of the best quality. We aim to do this one thing well. We shall be pleased to give any advice in our power as to your other horticultural requirements. The same care is used in testing and improving the excellence of Burpee's Flower Seeds that has made Burpee's Vegetable Seeds famous.

Florists and Market Gardeners

should write for our Blue List. This is our Wholesale Price List for those who plant for profit. The business of market growing does not warrant the use of seeds of unknown quality any more than the use of haphazard methods. We will gladly mail both our Annual, which is a descriptive catalog, and our Blue List, which contains the right prices for florists and market gardeners. Our Blue List contains the full list of desirable florists' seeds.

Burpee's Flower Seeds for Florists.

At Fordhook Farms in Pennsylvania, Sunnybrook Farm in New Jersey, and our Floradale Farm in California, we are growing acres of flower seeds, especially those varieties that do best in the different localities. Other flower seeds are produced on contract by careful growers both at home and abroad. Superior quality cannot be procured from any source.

Write Today—"Lest you forget." A postcard will bring both these books



W. ATLEE BURPEE & COMPANY

(Renowned for Sweet Peas)

BURPEE BUILDINGS, . . . PHILADELPHIA



THE HOUSE C

MILLIONS of square feet of glass have been added within the past year for the production of cut flowers. Probably more than half of the new space will be devoted to the production of an augmented product to be disposed of? It cannot sell itself. **STOP, LOOK AND THINK** grower if these roses could be made to yield even 50 cts. a hundred more than now, paying the interest on the entire investment, would it not?

THE ROSE And the ORCHID

What I have done towards the commercial advancement of the Cattleya is known to the florist trade of the continent. I am still holding where I was at the start, trying to maintain the just prestige of this regal flower in the floral world and to keep it from the degradation of the "5 and 10 cent counter." If it gets there from whatever cause you cannot blame it to McManus. It is a fair proposition, is it not, that if the grower turns out a first-class product in cattleyas, roses or other specialties, and sends it to a first-class market, it is entitled to a first-class effort to get for it a first-class price?



CLOSE FOLLOWING THE CONVENTION COMES SEPTEMBER Whether it be Orchids, Roses, Lily of the Valley, Carnations, Sweet Peas, Daisies, Gardenias with you and fully explain my facilities for handling a much larger amount of shipments than ever presented in past years and **the money is always ready when due.** *Best Wishes for a Glorious*

TELEPHONE
759 Madison Square

JAMES M

NEW

F RELIABILITY

few months to the Commercial greenhouse ranges for the production devoted to the production of Roses for the big markets. How is this, **LISTEN!** Think what would be the increase in gross returns to the they returned last year. The increased sum would come pretty close to



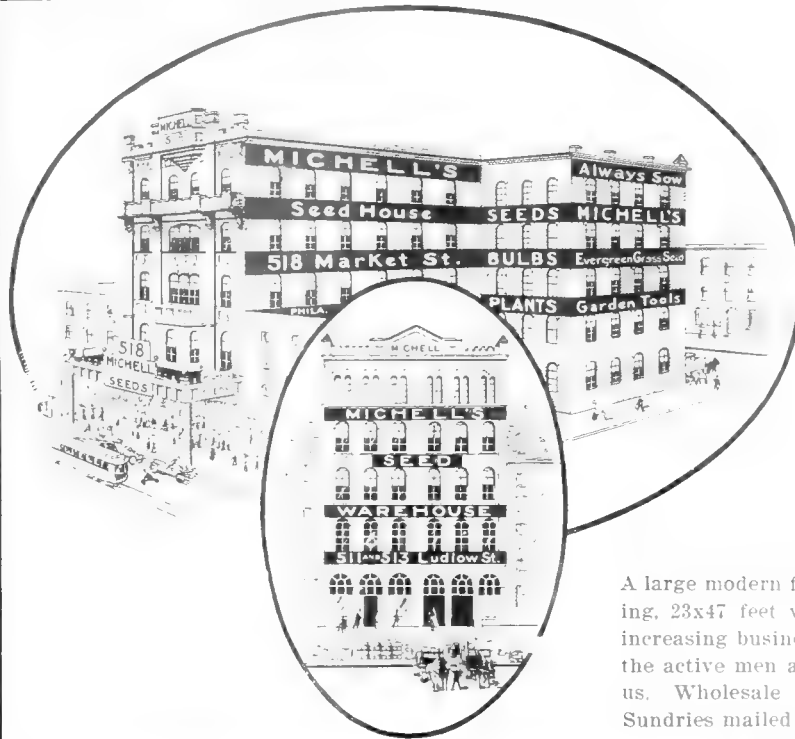
WANTED A SQUARE DEAL

I am satisfied that the rose situation can be improved upon. The oft-quoted proverb, applied to the rose business as it stands at present, might well read, "take care of the hundreds; the thousands will take care of themselves." What I believe the rose grower needs more than anything else today is selling agents who will work for the rose as a specialty, strive for the elimination of the "bargain lot" system from which the rose has been the most conspicuous sufferer, and see to it that every bud that is of worthy quality gets its square deal. Mr. Grower, am I not right?

It is now time to make plans for the marketing of your product for the coming season. Anything else that counts for something in the flower market I should like to talk it over the past. We believe that we enjoy the implicit confidence of those growers we have represented at the *Convention and a Busy and Profitable Season.*

McMANUS
NEW YORK

105 W. 28th Street



The House of MICHELL

is the leading institution of its kind in the United States. It makes a specialty of catering to the wants of florists everywhere in

SEEDS, BULBS AND SUNDRIES

A large modern five story and basement mammoth building, 23x47 feet wide and 180 feet deep, houses its ever increasing business, while the founders thereof are still the active men at the helm. It might pay you to know us. Wholesale Price List of Seeds, Bulbs, Plants and Sundries mailed on request.

MICHELL'S SEED HOUSE

518 MARKET STREET

PHILADELPHIA, PA.

Henderson's Superior Bulbs For Autumn Planting

The Largest Assortment and Best Bulbs that Come to America.

Standard Varieties and Choice Novelties in

**Hyacinths, Tulips, Lilies,
Narcissus, Peonies,
Freesias, Spireas, Iris,
Callas, Etc.**

Henderson's Wholesale Catalogue

Bulbs, Seeds, Requisites, Etc.

FOR AUTUMN, 1914

Mailed to Florists on application

HENDERSON'S SUPERIOR LILIUM HARRISII

Now Ready for Shipment

	Per 100	Per 1000
First Size Bulbs, 6 to 7 in.	\$5.00	\$46.00
Extra " " 7 to 9 in.	9.00	85.00

PETER HENDERSON & CO.

35 and 37 Cortlandt Street
NEW YORK



Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our CHALLENGE PANSY seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance?"

½ trade pkt. 25 cts., trade pkt. 50 cts., ¼ oz. 75 cts.,
¼ oz. \$1.50, ½ oz., \$2.75, oz. \$5.00.

1914 NOVELTY PANSY SIM'S GOLD MEDAL MIXTURE

Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim (renowned for Sweet Peas), Cliftondale, Mass., and we are offering seed from the originator for the first time. Trade pkt. 75 cts., 3 pkts. for \$2.00, ¼ oz. \$3.50.

Boddington's Quality "English" Pansy

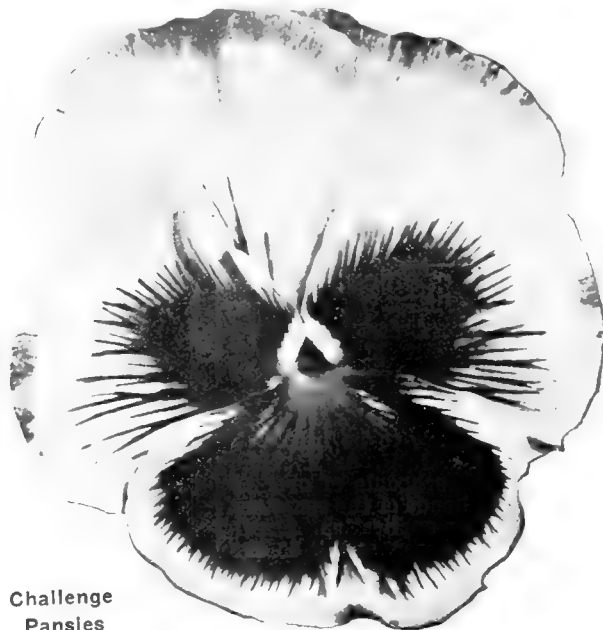
A superb strain of highly-colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms, and strongly recommends this mixture to florists.

Trade pkt. (500 seeds), \$1.00; ½ trade pkt. (250 seeds), 50c.
¼ oz., \$2.25; ½ oz., \$4.25; oz., \$8.00.

Other Choice Varieties of Giant Pansies

	Tr. pkt.	¼ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist.....			
Giant Trimardeau. Mammoth flowering, and in a good range of color.....	.50	2.75	10.00
Giant Masterpiece (Frilled Pansy). Petals beautifully waved; exquisite colors.....	.15	.50	1.50
Cassier's Giant. A fine strain of large, highly colored flowers.....	.25	1.25	4.00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors.....	.15	.85	3.00
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	.50		
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.15	.85	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.75	2.50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	.15	.50	1.50
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, champlis, etc.	.15	.85	3.00
	.25	1.75	4.00



Challenge Pansies

	Tr. pkt.	¼ oz.	Oz.
Giant Emperor William. Ultramarine blue, purple eye.....	\$0.10	\$0.50	\$1.50
Giant Golden Queen. Bright yellow; no eye....	.15	.60	2.00
Giant Golden Yellow. Yellow; brown eye....	.15	.75	2.50
Giant King of the Blacks (Faust). Black....	.15	.60	2.00
Giant President McKinley. Golden yellow, large, dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.15	.75	2.50
Giant Pretiosa. Crimson rose, white margin, violet blotch.....		1.25	4.00
Giant Rosy Lilac.....	.15	.85	3.00
Giant White. Violet spot.....	.10	.60	2.00

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	.25
BRIDESMAID. Giant flowers of rosy white.....	.25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	.25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine....	.25
PSYCHE. Violet, bordered white; beautifully waved petals	.25
PEACOCK. All the name implies; a most beautiful varicolored variety; peacock blue, edged white.....	.25
RUBY KING. Superb crimson and red shades.....	.25
SNOWFLAKE. Pure white; immense flower.....	.25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	.25
Collection of the above 10 varieties, one packet each, for \$2.00.	

"THESE PRICES ARE FOR THE TRADE ONLY"

Arthur T. Boddington, Seedsman

342 West 14th Street, NEW YORK

NATIONAL DAHLIA SOCIETY.

The National Dahlia Society will hold its national convention in Seattle, Wash., Sept. 18 and 19. The headquarters of this organization are in Seattle and according to the Sun it is doing pioneer work in its field. The main feature of the convention will be an exhibition for which 30 trophies have been offered. There are to be 342 classes in the competition, and preparations are being made for at least 5000 entries.

"We are assured of an attendance from outside the city," said R. M. Buttle of Seattle, president of the society, "of 5000 or 6000 people at least. Our member societies are all up and down the Pacific coast and extend as far east as Denver and north into British Columbia, and we expect to cover the United States before long.

"So far, everybody has named his dahlias according to his own ideas, and the confusion is endless. The task of the National Dahlia Society will be to straighten it out."

NEW JERSEY FLORICULTURAL SOCIETY.

The above named society will resume its meetings on Monday, Sept. 7th, after its summer vacation. Preparations are almost completed for the Ninth Annual Dahlia, Gladiolus, Fruit and Vegetable Show, to be held Oct. 5th, 1914, in the O. U. A. M. Hall, Orange, N. J. A schedule of over 40 classes is in the hands of the secretary and may be had on application. Excellent prizes are offered and it is the desire of the society to make this show a record breaker.

GEO. W. STRANGE, Sec'y.

216 Main street, Orange, N. J.

A WORTHY ASSOCIATION.

A note from Mrs. Francis King, Alma, Mich., calls attention to the existence of the Woman's National Agricultural and Horticultural Association of which she is president and which has now over five hundred members, and whose first object is to promote agricultural and horticultural interests throughout this country, especially among women. The dues are but one dollar a year, and the general secretary, Miss Margaret Jackson of Englewood, N. J., will gladly furnish information to anyone desiring it. Mrs. King expresses the hope that some who read this invitation will accept it.

INCORPORATED.

El Paso, Tex.—W. D. Wise Seed Co., capital stock, \$30,000. Incorporators, W. D. Wise, Chas. Davis and M. J. Murray.

RAMBLER ROSES'

FOR FLORISTS USE—FALL DELIVERY

Excelsa, The Gold Medal Rose, \$25 per 100
Hiawatha, Dorothy Perkins, L. Gay
..... 815 per 100
1st class 2 yrs. Strong field grown.
Excelsa, American Pillar Tausendschon,
Hiawatha, D. Perkins, L. Gay, Snowdrift
..... 810 per 100
1 yr. field grown, plants, well branched.
Excelsa, American Pillar Tausendschon,
Evangeline 81 per 100
Hiawatha, Wichuriana, L. Gay, D. Perkins,
Snowdrift 83 per 100
2 1/2 in. pots suitable for growing on.
All the above our own growing.

E. W. BREED, Clinton, Mass.

PEONY ROOTS

In comparing prices note our Strong Divisions are 3 to 5 eyes

We offer, to the Trade, Strong Divisions, three to five eyes, of the following varieties of Peonies, guaranteed true to description, f. o. b. our station, at the prices named. Our stock is grown on land suitable for the development of fine roots and our large stock enables us to make a low price. No orders taken for less than five of a kind. The following varieties offered subject to being unsold on receipt of order. Descriptive retail list of these and other varieties on application.

	Per 100		Per 100
Adolphe Rousseau	\$100.00	Mme. Barrillet Deschamps.....	\$15.00
Alexander Dumas	15.00	Mme. Calot	25.00
Ambroise Verschaeft	10.00	Mme. Chaumy	15.00
Artemise	15.00	Mme. Crousse	20.00
Auguste Lemonier	8.00	Mme. de Gailhau	40.00
Beranger	15.00	Mme. d'Hour	40.00
Berlioz	20.00	Mme. Ducl	30.00
Bernard Palissy	25.00	Mme. de Vetry	20.00
Boule de Neige	20.00	Mme. de Verneville	15.00
Carnea Elegans (Guerin).....	10.00	Mme. Emile Galle	40.00
Charlemagne	15.00	Mme. Geissler	20.00
Chas. Binder (Guerin).....	8.00	Mme. Jules Elie	25.00
Charles Verdier	8.00	Mme. Lebon	10.00
Couronne d'Or	20.00	Mme. Muisart	15.00
Daniel d'Albert	8.00	Mme. Victor Verdier	8.00
De Candolle	20.00	Mlle. Leonie Calot	25.00
Delachei	15.00	Mlle. Marie Calot	25.00
De Jussieu	10.00	Marguerite Gerard	50.00
Delicatissima	25.00	Marie	20.00
Docteur Bretonneau (Guerin).....	10.00	Marie Lemoine	20.00
Docteur Bretonneau (Verdier).....	10.00	Mathilde de Roseneck.....	30.00
Duc de Wellington.....	12.00	Modele de Perfection.....	20.00
Duchess de Nemours.....	15.00	Modeste Guerin	30.00
Eduis Superba	15.00	Mons. Bastien LePage.....	75.00
Felix Crousse	30.00	Mons. Bouchardat Aine	20.00
Festiva	20.00	Mons. Dupont	25.00
Festiva Maxima	20.00	Mons. Jules Elie	50.00
Fragrans	8.00	Papilionacea	10.00
Fulgida	8.00	Petite Renée	50.00
General Bertrand	15.00	Prince de Talindyke	25.00
Gloire de Boskoop.....	20.00	Prince Imperial	12.00
Grandiflora Carnea Plena.....	8.00	Princess Beatrice	15.00
Henry Demay	15.00	Purpurea Superba	20.00
Humei	8.00	Rose d'Amour	20.00
Humei Carnea	8.00	Rubra Superba	25.00
Insignis	12.00	Rubra Triumphans	15.00
Jeanne d'Arc	15.00	Solfaterra	15.00
La Coquette	10.00	Sulphurea	10.00
Lady Curzon	25.00	Triomphe de l'Exp. de Lille.....	25.00
Latipetala	10.00	Triomphe du Nord	8.00
La Tulipe	25.00	Ville de Nancy.....	15.00
L'Indispensable	30.00	Viola	8.00
Louis Van Houtte (Calot).....	10.00	Viscomtesse Belval	8.00
Louis Van Houtte (Delache).....	15.00	Victor Hugo	30.00
Louise Renault	15.00	Princess Alexandra, single.....	15.00
		Octave Demay	50.00

ROSEDALE NURSERIES, TARRYTOWN, N.Y.

S. G. HARRIS, Prop.

WELCOME

To all visitors attending the convention, we extend a cordial invitation to visit our greenhouses. See our big stock of Begonias Gloire de Lorraine and Cincinnati, and other plants for Fall. ❀ ❀ ❀ ❀ ❀ ❀ ❀

WILLIAM W. EDGAR COMPANY
WAVERLEY, MASS.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

SANDER, St. Alban s, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. **CATTLEYS:** Percivalliana, Gaskelliana, speciosissima. **DENDROBIIUMS:** Formosum, Wardianum, nobile, densiflorum, Schultzei. **VANDAS:** Coerulea, Batemanii, Luzonica, Imschootiana. **PHALAENOPSIS:** amabilis, Schilleriana. **Spathoglottis plicata.**

Write for Special List No. 55.
LAGER & HURRELL, Summit, N. J.

When Writing to Advertisers Kindly Mention Horticulture



A. WINTZER
Vice-Pres.



ROBERT PYLE
President

At the Convention

Watch Out For

❧ The Badge of the Swastika Canna ❧

MR. WINTZER and I will be there to show and tell you about the truly wonderful cannas of the Conard & Jones development. All our exhibit at Minneapolis last year we sold to one man. Somebody will get them this time. They are the very cream of our stock. Every one a top notcher. If you want them speak right up, for the first man that pays the price gets them.

Here are some of the ones in our collection:

WINTZER'S COLOSSAL
ROSEA GIGANTEA
METEOR
OLYMPIC
PANAMA

WM. SAUNDERS
KATE F. DEEMER
LOVELINESS
MRS. A. F. CONARD
BEACON & WYOMING

THE CONARD AND JONES CO. SWASTIKA BRAND CANNAS

WEST GROVE, PA.



Mignonette BODDINGTON'S MAJESTY

THE finest of all the Fancy Varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety.

Trade Packet 60 cts., 1/8 ounce
\$1.00, ounce \$7.50.

ARTHUR T.
BODDINGTON
SEEDSMAN

342 West 14th St., - NEW YORK
"These Prices are for the Trade Only."



Calla Lily Bulbs

Warranted to be free from any disease. Cash orders only.

		Per	100	Per	1000
1	Inch dia.	"	\$2.25	"	\$18.00
1 1/2	"	"	4.50	"	40.50
2	"	"	6.30	"	59.50
2 1/2	"	"	8.10	"	72.00
3	"	"	9.90	"	90.00

500 at 1,000 rate

Express Prepaid—Satisfaction Guaranteed.

Send for our Trade Price List of first quality berry plants.

MAGNUM BONUM NURSERY, Holland, Mich.

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS,
AZALEAS, CONIFERS, CLEMATIS,
H. P. ROSES, SHRUBS, AND HER-
BACEOUS PLANTS.

P. OUWERKERK,

216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

CARNATIONS

F. DORNER & SONS CO.
LA FAYETTE, IND.

MASSACHUSETTS HORTICULTURAL SOCIETY EXHIBITION.

One of the most sensational exhibitions ever put up by this society in midsummer took place at Horticultural Hall, Boston, on Saturday and Sunday, August 8 and 9. It filled the main hall and the smaller hall to repletion. The central feature was the display of about 300 specimen fancy caladiums in 125 named varieties from the Thomas E. Proctor estate, gard. James Marlborough. A fountain with basin filled with nymphaeas was also included in this remarkable exhibit which was awarded a gold medal and, to Mr. Marlborough a silver medal for the cultural excellence displayed.

The collections of hardy herbaceous flowers from the various perennial plant nurseries were brilliant in the extreme. Aconitums from Mt. Desert Nurseries received a well-merited silver medal and the same exhibitor also received certificates of merit for Astilbe June and A. Silver White. Peony flowered dahlia Fred Grinnell, exhibited by P. J. Rooney was recognized with a certificate of merit. Honorable mention was given to R. & J. Farquhar & Co., for display of herbaceous flowers; William Nicholson for Buddleia variabilis varieties; A. M. Davenport, display of heliotrope; John Lewis Childs for display of gladiolus and new Gladiolus Whitest White.

There were some very effective gladiolus tables which added stately splendor to the general color effect. Annual flowers, too, in sparkling array did their part in illuminating the scene. The fruit and vegetable groups filled the small hall and were of superior excellence. A special \$50 prize for cultivated blueberries went to the estate of W. C. Jennison, gard. H. Chamberlain; a certificate of merit to the same exhibitor for seedling everbearing strawberry and a cultural certificate to E. S. Webster for nectarines. Prizes in the plant and flower section in addition to the above were as follows:

Perennial Phloxes, 12 varieties: 1st, F. J. Rea; 2d, T. C. Thurlow's Sons Co.; 3d, Eastern Nurseries. General display: 1st, T. C. Thurlow's Sons Co.; 2d, F. J. Rea; 3d, Bay State Nurseries. Twelve varieties, for private growers only: 1st, William Whitman. Gladioli 12 named varieties: 1st, William Sim. Twelve named varieties, private growers: 1st, Miss H. A. Riordan. Fifty spikes, any named variety: 1st, William Sim. Display, 100 vases, arranged for effect: 1st, Mrs. Frederick Ayer. Basket, artistically arranged: Chamberlain & Gage. China asters—display of all classes, named, 50 vases: 1st, William Whitman. Twenty-five vases: 1st and 2d, William Whitman. Annuals—general display: 1st, Mrs. J. L. Gardner; 2d, Col. Charles Pfaff; 3d, William Whitman.

Gratuities were awarded to Wm. Sim, Chamberlain & Gage, B. Hammond Tracy and Miss Helen Riordan for extra displays of gladioli; E. F. Dwyer & Son for dahlias; Gustav Olsen for Shasta daisies; Wm. Nicholson for Buddleias, Bay State Nurseries, Eastern Nurseries, G. W. Page, Miss Cornelia Warren and Mrs. E. M. Gill for general displays of flowers.

OBITUARY.

Mrs. C. H. Homeyer.

Elizabeth A. Homeyer, widow of Christian H. Homeyer, who before his death was a well-known florist in Elmhurst, N. Y., died at her home, 234 Stoothoff avenue, Richmond Hill, August 10, aged fifty-eight years.



Roots on this have not been pruned since it was six inches high. Note the absence of fine, fibrous roots.



Twice transplanted and twice root-pruned. Note the compact mass of fine roots and the number of branches and denseness of foliage.

Think These Facts Over Before you buy Evergreens for your Aug.-Sept. Planting

ALL gardeners know that root-pruning when done right and done systematically induces a dense growth of fine, fibrous roots. It's these fine roots that do the bulk of the food absorbing from the soil. The greater, then, the quantity of these fine roots, the more rapid and thicker the foliage and the stronger and more satisfactory the tree will be in every way.

But that isn't all—when it comes to transplanting, all the roots will be clustered in a compact mass that can be dug with a moderate-sized ball of earth and still practically every root and rootlet will be intact. It's only just plain every-day common sense that such trees can be the most successfully shipped long distances, and will transplant with the least possible setback and continue to grow rapidly.

Our eight-year-old White Spruce have been two times root-pruned, the last time in August, 1913, and two times transplanted, and grown in squares so we could cultivate and root-prune on four sides. As a result, they are beautifully developed, broad-branched specimens, every one of them. The foliage has that dense bushiness which you like so to see and

are always trying to secure in the trees you buy. As might be expected, fine high class trees grown this way cost somewhat more than the ordinary nursery stock, but no one who knows trees questions that they are worth more, and worth decidedly more. It is a dense, cheerful, blue-green, not open, yellow-green, and melancholy.

You know White Spruce can't be beaten for seashore planting. They fairly revel in the salt spray.

Here are our prices. What can we do for you?

We guarantee all Evergreens in August and September, replacing any that fail.

PRICES—WHITE SPRUCE

3 ft. high, 22 in. spr. \$9.00 per 10 \$80.00 per 100.
\$90.00 per 1000

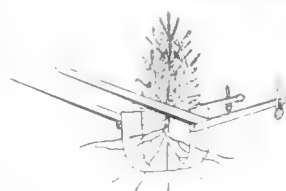
3½ ft. high, 2 ft. spr. \$17.50 per 10. \$150.00 per 100. \$1,000.00 per 1000

4 ft. high, 2½ ft. spr. 8 yrs. old, \$22.50 per 10. \$200.00 per 100.

5 ft. high, \$30.00 per 10. \$250.00 per 100.

Can you use a White Spruce hedge, 3 ft. high, at \$22.50 per 100 feet?

Need any White Pines, 7 ft. to 14 ft. high?



Eight horses are hitched to this U-shaped root-pruner and the long roots cut off so that compact, fibrous rootless develop, which can all be delivered in the ball of earth.

Hicks Trees

Isaac Hicks & Son

Westbury, Long Island

Observe If You Will

OUR EXHIBITS

Outdoors and In, at

THE CONVENTION

GLADIOLI OF COURSE

JOHN LEWIS CHILDS

FLOWERFIELD, L. I., N. Y.

DREER'S SPECIALS

In Palms and Other Decorative Plants

For Convention Month

As usual we will have an extensive display of our many specialties at the Convention, and our staff of travelers will be in attendance and will be pleased to show you samples, but a personal inspection of the stock where it is grown is the most satisfactory. Why not stop off at Philadelphia on your way to or from the Convention and visit our nurseries. We are sure that you will find it both entertaining and profitable.

ARECA LUTESCENS.

A splendid lot of 3-inch pots, 3 plants in a pot. A most useful size that meets with ready sale. \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.

4-inch pots, 3 plants in a pot, \$3.50 per doz.; \$25.00 per 100
6 " " " " 1.00 each

COCOS WEDDELIANA.

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2-inch pots, 5 to 6 inches high, \$1.50 per doz.; \$10.00 per 100
3 " " 8 to 10 " 2.00 per doz.; 15.00 per 100
5 " " 18 to 24 " splendid plants, 75 cts. each
7 " " 34 to 36 " grand specimens, \$2.50 each
9 " " 36 " 5.00 each

Large specimens, \$10.00 and \$15.00 each.

KENTIA BELMOREANA.

	Doz.	100	1000
2 1/4-inch pots, 4 leaves, 8 to 10 inches high...	\$1.50	\$10.00	\$90.00
3 " " 5 " 12 " " " " " " " " " " " "	2.00	15.00	140.00
4 " " 5 " 15 " " " " " " " " " " " "	4.50	35.00	
5 " " 6 to 7 " 18 to 20 " " " " " " " " " " " "			Each \$0.75
6 " " 6 " 24 " " " " " " " " " " " "			1.00
6 " " 6 to 7 " 28 to 30 " " " " " " " " " " " "			1.50
7-in. tubs, 6 to 7 " 36 to 38 " " " " " " " " " " " "			3.00
8 " " 6 to 7 " 42 to 45 " " " " " " " " " " " "			4.00
8 " " 6 to 7 " 45 to 48 " " " " " " " " " " " "			5.00

KENTIA FORSTERIANA—SINGLE PLANTS.

	Doz.	100	1000
2 1/4-inch pots, 4 leaves, 8 to 12 inches high...	\$1.50	\$10.00	\$90.00
3 " " 4 to 5 " 12 to 15 " " " " " " " " " " " "	2.00	15.00	140.00
5 " " 5 to 6 " 24 " " " " " " " " " " " "			Each \$0.75
6 " " 6 " 28 to 30 " " " " " " " " " " " "			1.00
6 " " 6 " 34 to 36 " " " " " " " " " " " "			1.50
7 " " 6 to 7 " 38 to 40 " " " " " " " " " " " "			2.00
7-in. tubs, 6 to 7 " 40 to 42 " " " " " " " " " " " "			3.00
8 " " 6 to 7 " 45 to 48 " " " " " " " " " " " "			4.00
8 " " 6 to 7 " 48 " " " " " " " " " " " "			5.00
10 " " 6 to 7 " 4 1/2 to 5 feet high...			6.00
11 " " 6 to 7 " 5 to 5 1/2 " " " " " " " " " " " "			8.00
10 " " 6 to 7 " 5 1/2 to 6 " " " " " " " " " " " "			10.00
12 " " 6 to 7 " 6 1/2 to 7 " " " " " " " " " " " "			15.00
14 " " 6 to 7 " 7 " " " " " " " " " " " "			20.00

KENTIA FORSTERIANA—MADE-UP PLANTS.

	Each
5-inch pots, 4 plants in a pot, 18 to 20 inches high...	\$0.75
7-inch tubs, 3 plants in a tub, 36 " " " " " " " " " " " "	2.50
7 " " 3 " " 38 " " " " " " " " " " " "	3.00
8 " " 3 " " 40 to 42 " " " " " " " " " " " "	4.00
8 " " 3 " " 42 to 45 " " " " " " " " " " " "	5.00
8 " " 3 " " 4 to 4 1/2 feet high...	6.00
9 " " 3 " " 4 1/2 to 5 " " " " " " " " " " " "	8.00
10 " " 3 " " 5 to 5 1/2 " " " " " " " " " " " "	10.00
12 " " 3 " " 5 1/2 to 6 " " " " " " " " " " " "	15.00
13 " " 4 " " 6 1/2 to 7 " " " " " " " " " " " "	heavy. 20.00
15 " " 4 " " 7 " " " " " " " " " " " "	25.00
15 " " 4 " " 10 " " " " " " " " " " " "	35.00

KENTIA SANDERIANA.

Comparatively new and one of the most graceful and hardiest of the Kentias.

	Each
3-inch pots, bushy made up plants, 10 to 12 inches high...	\$0.50
4 " " " " 12 to 15 " " " " " " " " " " " "	.75
5 " " " " 24 " " " " " " " " " " " "	1.25

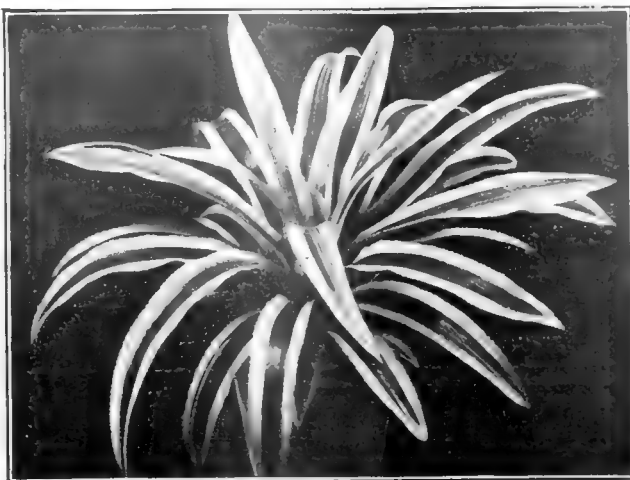
LATANIA BORBONICA.

2 1/4-inch pots...	\$0.75 per doz.; \$5.00 per 100; \$40.00 per 1000
3 " "	1.25 per doz.; 10.00 per 100; 90.00 per 1000
4 " "	2.50 per doz.; 20.00 per 100

For a Complete List of all Seasonable Plants, Bulbs and Seeds see our Current Wholesale List

HENRY A. DREER, 714 and 716 Chestnut St., Philadelphia, Pa.

The prices noted above are intended for the trade only.



ANANAS (Variegated Pineapple)

PHOENIX ROEBELENI.

Unquestionably one of the prettiest and most graceful Palms grown, which quickly made a place for itself among the popular standard varieties, particularly so for apartment decorations. We have a splendid stock, and offer:

	Doz.	100
4-inch pots, nicely characterized plants.....	\$6.00	\$50.00
5 " " 15 inches high, 18 inches spread.....		Each \$1.00
6 " " 1 1/2 feet " 2 feet " " " " " " " " " "		2.00
8-inch tubs, 2 " " 2 " " " " " " " " " " " "		3.00
10 " " 2 to 2 1/2 feet high, 2 1/2 feet spread.....		5.00
10 " " 2 1/2 feet high, 3 feet spread.....		7.50
12 " " 3 " 4 " " " " " " " " " " " "		10.00

ANANAS SATIVA VARIEGATA.

Variegated Pineapple.

A splendid stock of well colored plants.

4-inch pots	\$0.60 each
5 " "	1.00 " "
6 " "	1.50 " "

ARAUCARIA EXCELSA.

An immense stock of well grown plants.

4-inch pots, 5 to 6 inches high, 2 tiers.....	\$0.30 each
5 " " 8 to 10 " 3 " " " " " " " " " " " "	.40 " "
5 " " 10 to 12 " 3 " " " " " " " " " " " "	.60 " "
6 " " 12 to 15 " 3 to 4 " " " " " " " " " "	.75 " "
6 " " 14 to 16 " 4 " " " " " " " " " " " "	1.00 " "

ARAUCARIA EXCELSA GLAUCA.

6-inch pots, 8 inches high, 2 tiers..... \$0.75 each

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 8 to 10 inches high, 2 tiers.....	\$0.75 each
6 " " 12 " 3 " " " " " " " " " " " "	1.25 " "
7 " " 14 to 16 " 3 " " " " " " " " " " " "	1.50 " "

CROTONS.

A splendid collection of the most attractive varieties for florists' work, well colored plants of good value.

4-inch pots.....	\$4.00 per dozen; \$30.00 per 100
5 " " " " " " " " " " " " " " " " " "	\$6.00 to \$9.00 per dozen
Larger plants.....	\$1.00 and \$1.50 each

DRACAENA AMABILIS, DRACAENA BAPTISTII, DRACAENA SHEPHERDII, DRACAENA YOUNGII.

2 1/4-inch pots.....	\$2.00 per doz; \$15.00 per 100
3 " " " " " " " " " " " " " " " " " "	3.50 " 25.00
4 " " " " " " " " " " " " " " " " " "	\$.50 each
5 " " " " " " " " " " " " " " " " " "	.75 " "
6 " " " " " " " " " " " " " " " " " "	1.00 " "

DRACAENA TERMINALIS.

2 1/4-inch pots.....	\$1.25 per doz; \$10.00 per 100
3 " " " " " " " " " " " " " " " " " "	2.00 " 15.00

ASPLENIUM NIDUS AVIS.

An exceptionally large stock enables us to offer this popular variety at greatly reduced prices.

Splendid healthy 3-inch pots.....	\$1.50 per doz; \$10.00 per 100
" " " " " " " " " " " " " " " " " "	3.50 " 25.00

CIBOTIUM SCHIEDEI.

3-inch pots.....	\$3.50 per doz; \$25.00 per 100
6 " " " " " " " " " " " " " " " " " "	\$1.50 each
8 " " " " " " " " " " " " " " " " " "	2.50 " "
10-inch tubs.....	\$3.50 to 5.00 " "

PTERIS PARKERI.

A valuable decorative Fern.

2 1/4-inch pots.....	\$0.75 per doz; \$3.00 per 100
4 " " " " " " " " " " " " " " " " " "	2.00 " 15.00
6 " " " " " " " " " " " " " " " " " "	4.50 " 35.00

FICUS ELASTICA.

4-inch pots, 8 to 10 inches high....\$3.50 per doz; \$25.00 per 100

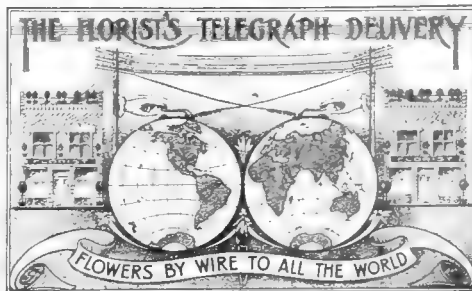
PANDANUS VEITCHII.

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Of Interest to Retail Florists

GLEANINGS ON FOLIAGE PLANTS AND FERNS.

Nephrolepis Smithi, according to Robert Craig, Jr., is one of the very best for use in small sizes for baskets and table ferneries. It is exceedingly graceful in appearance, filmy, and a good laster.

Teddy Junior is another good one among the newer Bostons. It is just as dwarf as Scotti but has that wave to the frond which is an added charm and the finishing touch. It is also a quicker grower and gives more young growths.

Schoelzeli sells well and is popular everywhere except around New York. This is rather strange, seeing that it was in that city that it was first introduced.

Of the crested type of Nephrolepis the leader is robusta as far as selling quality is concerned. It is a very quick grower also.

Pteris Parkeri is making new friends right along. Tough as an Aspidistra, and that is saying something almost unbelievable about a fern. A sample plant that Alphonse Pericat sent in to the Philadelphia Florists' Club stood over a steam register in the Library Room all winter and spring and came through looking elegant. A wonderful thing. Tougher than leather. We noticed a fine lot of them out at Craig's.

All the crotons seem to be in better than usual form this year. Maybe it's the season, maybe the good culture, maybe the fine fresh air at Norwood, maybe all combined. Anyway, they are certainly fine and there are quite a lot of new seedlings of great merit. The croton is certainly a wonderful foliage plant. All the colors of the rainbow and, as for form: old Dame Nature was certainly in her friskiest mood when she played that wonderful tune—from bang to twitter and back again—and then threw in a few corkscrews for good measure.

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field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
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Chicago—William J. Smyth, Michigan
Ave. and 31st St.
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Ave.

Cleveland, Ohio—Adam Graham & Sons,
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Denver, Col.—Park Floral Co., 1643
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Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913
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Montreal, Can.—Hall & Robinson, 825 St.
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New London, Conn.—Reuter's.
New Haven, Conn.—J. N. Champion, 1026
Chapel St.

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and Madison Ave.

New York—Max Schling, 22 W. 59th St.
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Olive St.

St. Paul, Minn.—Holm & Olson, Inc.
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Stamford, Conn.—"Quality Shop," Stam-
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Tarrytown-on-Hudson, N. Y.—F. R. Pier-
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Houston, Tex.—Gulf Florist, West-
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W. Bridge street.

BUSINESS TROUBLES.

New York, N. Y.—Herbert P. Crow-
ley, 911 Simpson street, formerly of
Kammann & Crowley, florists, has filed
a petition in bankruptcy, with assets
of \$234 and liabilities of \$8,253.

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Special Rates to S. A. E. Convention Visitors

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THOMAS O. PAIGE, Manager.

CHICAGO NOTES.

Mr. and Mrs. Frank Oechslein spent the week end at Fond du Lac, Wis.

Miss Carrie Zech, daughter of John Zech, is slowly improving after her long illness, now nearly a year.

C. E. Anderson, foreman of the plant department at Poehlmann Bros., and Mrs. Anderson spent a week cruising on the lakes.

Miss O. Tonner, who successfully handles flowers on commission in the wholesale market, is spending a couple of weeks in Wisconsin.

Peter Reinberg, as president of the school board, has been very anxious over the teachers who are abroad, and was greatly relieved when Supt. Ella Flagg Young was heard from.

Miss Thelma Vaughan, daughter of A. L. Vaughan, is now visiting the family of W. F. Lynch in Massachusetts. Mr. and Mrs. Vaughan will meet her there and attend the convention at Boston.

The greenhouse plant started by Lord & Burnham at Union Grove, Ill., has been abandoned. J. E. Meredith, of the Meredith Flower & Vegetable Co., Libertyville, Ill., had formed a company, representing a capital of \$17,000 for the purpose of erecting the new houses. But Mr. Meredith has disappeared leaving the Lord & Burnham Co. with a lot of material cut especially for the houses and which may be a considerable loss to that firm.

The greenhouses of Frank Oechslein probably attract more visitors than any other range of glass in Chicago. They are for the growing of pot plants

only and constitute the only exclusively wholesale plant range in Chicago. Everything is kept in such perfect order that it is a pleasure to walk through the houses and see the palms, ferns and decorative plants growing so nearly to perfection, as well as preparations always going on for blooming stock for the bedding season, Christmas and Easter. Those interested in the growing of pot plants can always find something particularly attractive here.

The value of an establishment like that of the Poehlmann Bros., as an educational institution is hard to estimate and is sometimes lost sight of. Every one who will, is allowed to visit the houses, and their method of construction, material and heating arrangements are all open to inspection. There are very few growers who so willingly give out information on the kinds of stock and the quantity of each variety grown as Mr. Poehlmann. The great advantage in this comes from its accuracy which can be obtained only in the system maintained there. Every house and every bench has its record and is expected to show a balance on the right side. All through the plant the work in every department is carried on with the same exactness and the packing and delivery is accomplished in a like systematic way. One rush order for 5000 lily plants at Easter was packed and delivered to the city store, a distance of 14 miles. When the magnitude of the place is considered (seven miles of houses) and modern methods everywhere employed, it is a wonderful school for all who take advantage of it.

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chusetts Avenue pass the door.

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*Our inability to Exhibit or Take Orders on Imported Goods. Rather than solicit
business that we might not be able to fulfil we prefer to so notify our customers.*

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Where may be seen the finest examples of floral and decorative work as done here for the most critical buyers in the country.



The Delivery of Flowers or Floral Work in Boston and Vicinity on telegraphic orders is a specialty of our business. We are desirous of arranging for exchange of orders, etc., with some leading florist in every city in this country or abroad. If you are interested call and talk it over.

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Much is heard of how to sell goods—the buyer seems to be taken for granted. On the contrary, we think the buyer entitled to equal consideration. Well bought is half sold. We aim to be the faithful servant of both buyer and seller. Equal justice to both is our motto. Send your orders or consignments to us and judge.

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Wholesale Florists

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PHILADELPHIA

KNOXVILLE (TENN.) NOTES.

Addison J. McNutt is building two new houses to be planted to sweet peas.

Among those going to the Boston Convention are Chas. L. Baum, Mr. and Mrs. A. H. Dailey, Mr. and Mrs. C. W. Crouch, A. J. McNutt and L. A. Giger.

Business conditions here are very quiet and at the different stores everyone seems to be planning vacation trips. We have had several good rains in the past few weeks, which are helping out-door stock considerably.

Mr. and Mrs. C. W. Crouch have gone to Atlantic City, and from there will go to Boston for the Convention. They contemplate spending the next two months in the East. A. H. Dailey and Mrs. Dailey are also at Atlantic City, and from there will go to Boston to attend the Convention.

All of Baum's store force is given a vacation of two weeks. He also allows each clerk an afternoon off each week during the dull season. Miss Margaret Todd is off on her vacation now, Miss Mary Attix having returned from her trip. Karl Baum returned from a well-earned week's stay in the mountains. Miss Bessie Smith received her vacation during the last week of June and the first week of July.

PERSONAL.

Col. W. W. Castle is at the Boothby Hospital, Boston, where he had an operation performed on August 6 and is convalescing finely.

Ed. Sceery, florist, of Paterson, N. J., has been appointed as a member of

the Retail Affairs Committee of the Chamber of Commerce of that city.

Among the tourists now in Germany are Mr. and Mrs. S. J. Reuter and daughter of Westerly, R. I. Charles Schwake has arrived safely in New York. No tidings have been received thus far from A. Leuthy who is presumed to be in Belgium. Mrs. W. Atlee Burpee and her sons David and W. A., Jr., are still abroad.

CINCINNATI NOTES.

The exhibitors at the Carthage Fair on Thursday of this week will be T. Ben George, Henry Schwarz and Fred Bachmeier.

Frank Kyrk will take charge of L. H. Kyrk's business while the latter and Mrs. L. H. Kyrk are on their trip to and from Boston.

The engagement of Clarence Peterson to Miss Mary Critchell has been announced. The wedding, it is said, will take place very shortly.

LONGING FOR PEACE.

Extract from verses read at the outing of the Tarrytown Horticultural Society last week:

"And while our brothers 'cross the sea,
Die in this sad and cruel strife,
Our duty, so it seems to me,
In this great sacrifice of life,
Is ever to protest and pray
That war's dread horrors soon may cease,
And from this universal fray
May dawn the age of lasting peace."

• Charlevoix, Mich.—Babcock & Son have purchased the greenhouse business of B. B. Blair, who has retired.

VISITORS' REGISTER.

Lenox, Mass.—J. K. M. L. Farquhar, Boston.

New York—B. M. Wichers, New Orleans, La.; J. Fred Dawson, Boston, Mass.

Cincinnati—E. Y. Teas, Centerville, Ind.; John A. Keller, Lexington, Ky.; Mrs. Mulford and sons, Lebanon, O.

St. Louis: Frank Farney, representing Rice Co., and James Heacock, of Joseph Heacock Co., both of Philadelphia; Guy Reyburn, of A. Henderson Co., Chicago.

Boston—John Young, New York; C. N. Fohn, Colorado Springs, Colo.; Walter Mott, representing Benj. Hammond, Beacon, N. Y.; a representative of Wertheimer Bros., New York City; W. S. Thompson, representing Skinner Irrigation System, New York; W. A. Manda, South Orange, N. J.; A. E. Thatcher, Bar Harbor, Me.

Chicago—Mr. and Mrs. F. C. Weber, St. Louis, Mo.; Milton Alexander, representing Lion & Co., New York; A. E. Turner, Mosinee, Wis.; R. E. Jones, of the Advance Co., Richmond, Ind.; R. E. Dodge, Athens, Wis.; J. Heacock, of Jos. Heacock Co., Wyncote, Pa.; J. L. Denmead, Marshalltown, Ia.; Chas. A. Duerrs and Miss Duerrs, Newark, O.; Geo. T. Crabb, Grand Rapids, Mich.; J. W. Furrow, Guthrie, Okla.

NEWS NOTES.

Newton, Ia.—Mrs. James Lister has sold her greenhouses to C. S. Simpson of Davenport.

La Grange, Ill.—The La Grange Nursery Company has purchased the greenhouses of Charles W. Northrup, and will remove them to their grounds.

PETER REINBERG

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Always fresh stock from a modern greenhouse plant containing two million feet of glass on N. Robey St., Chicago. Visit greenhouses and store when in Chicago.

Early Blooming Gladioli

Everybody in the Flower Business knows how **desirable and profitable** it is to have Gladioli **in bloom early**. My Bulbs planted outside this year in early April were in bloom **ahead of the frame-planted stock**, in June when they brought good money and made a big hit with the New York trade. I shall plant 300,000 next year.

See me at the Boston Convention, or write for information regarding this stock, of which I expect to have a good supply.

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to interest you in the equipment of our three departments devoted to **Cut Flowers, Florists' Supplies** and **Plant Auction Sales** respectively. An Old Established, Enterprising and Prosperous BOSTON HOUSE.

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112 Arch St., 31 Otis St.,

BOSTON, MASS.

During Recess

THE "TRULY RURALS" INVADE
BARNEGAT BAY, N. J.



HIS celebrated aggregation of bucolic experts, famous the world over, with headquarters in Philadelphia, blew into the offing at Westcott's Bungalow on the 31st ulto., under a fair wind and a

sunny sky. They were ex-bucolic for the time being, however, and from keel to capstan smelt of the briny.

The Bungalow was captured without resistance, Commodore Westcott deeming discretion the better part of valor.

The next act in the tragedy was the deposition of Capt. Stackhouse as master of the high power cruiser "Emily" and the installation of Bos'n Trainer as sailing skipper.

After scouting the bay fore and aft and from leeward to windward from early morn to 3 P. M. at last the German craft "Unter der Linden," owned by one Louis Boss (a seceder) and sailed by Captain Hiram (a merce-



nary) was sighted and after a short but lively skirmish punctuated by hard Scotch Haggis balls, made by the Tornaveen Terror, was captured, the prisoners taken aboard, and the prize towed to port.

The victory was celebrated in due form on shore—and in proper sailor fashion.

Chief Cook Edward J. Dooner, assisted by an improvised crew consisting of Cooper McNab, Burgomaster Flood, Boiler Factory Connor, Flint Dobbins and others, made the commis-

sariat department hump itself and covered themselves with much glory.

Minstrel Brennan and Robin Hood Reed made the Welkin ring until even the jungle tigers (alias mosquitos) stopped to listen.

Later a penny-ante was in full swing, an incident of which was the recovery of a bushel of red, white and blue, surreptitiously captured by Bos'n Trainer with a bogus three sixes. He was keel hauled. Boiler Factory was also caught in the act, with one up his



ALWAYS SOMETHING DOING

**ROSES, CARNATIONS, ASTERS, GLADIOLI,
LILY OF THE VALLEY, LONGIFLORUMS
and other seasonable flowers and green.**

If passing through New York City on the way to the Boston Convention, I shall be pleased to have you call.

Ready now to discuss with Growers the market outlook for the coming season.

WILLIAM P. FORD

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sleeve, and by order of Hon. Judge Burton was bastinadoed.

The next day was declared "an armistice" and all hands went fishing. The Minstrel broke two rods—and very near a third—pulling them in. Heavy seas were shipped, and convoys were lost and found, the lighthouse was charted; and other valuable information gathered for future cruises.

(Here the log stops abruptly and the narrator is unable to learn of the subsequent developments.)

Later. We have just learned that the Commodore, finding the privates in a gentle and sentimental mood, sent out a call to the timid natives of the surrounding woods, to hear Boniface Dooner who warbled to them "Kilkeny" and "Oft in the Stilly Night" in a way that wound round their hearts like a piece of new red flannel, and made them all declare that he was the mildest mannered pirate that ever cut a throat or scuttled a ship. The Princess Mick and her retainers were especially delighted.

FIELD DAY AT MICHELL'S.

Saturday, Aug. 8, being the date fixed for the annual field day exercises given the employees of the H. F. Michell Co., Philadelphia, 150 or more were mobilized at Andalusia, under command of the Michell general staff, where an immediate attack was made on the Commissary Dept., which was captured and destroyed after a short but severe engagement. An armistice having been declared, a speech of welcome and good fellowship was given by Henry F. Michell, the founder and president of the company, and he also entered cordially into the spectator

list on all the merry doings. Other prominent members of the craft followed him and said kindly words in regard to the fine record and standing of the big house in which every individual from the highest to the lowest had done their share in building up,



after which the victorious army under the direction of Generals Michell, Jr., Goudy and Cowperthwaite were allowed to relax a little after their severe duties and left to their own diversions.

"After labor cometh rest," rest in this case taking the form of trials of endurance and feats of skill as exemplified in wheelbarrow, sack and potato races, 75 and 100-yard dashes, base-

ball, etc., for the men, and 45-yard dashes, potato race and nail driving contests for the ladies—the latter event being one of great moment and tense excitement, as to be expected. Miss Nellie Monahan was the victor in both the potato race and the nail contest. The 45-yard dash was a draw, as all the ladies reached the tape at the same time, so that no jealousies or heart burnings exist. The sack race for men was won by Wm. Whitaker; the wheelbarrow and potato race by Fred Albartz; 75-yard dash by Jack Smith. The baseball game between the office staff and the packers was won by the latter, 17 to 10, the opposing teams being made up as follows:

Packers—Mahon, c.; Michell, Frank, p.; Sheppard, s. s.; Myers, 1st b.; Bush, 2d b.; Albartz, 3 b.; Hamlin, r. f.; Keller, c. f.; Allen, l. f.

Office—Schermerhorn, c.; Michell, Harry, p.; Callahan, s. s.; Hirshorn, 1st b.; Kelly, 2d b.; Burton, 3d b.; Shilling, r. f.; Koe-hane, c. f.; Eadon, l. f. Umpire, Ira Robb.

The game was brilliant throughout with many distinguished plays and errors on both sides.

Speaking in the vernacular, a good time was had and the field day of the Michell employees proved a splendid success.

So, vale, Andalusia—and I look forward to you next year.

WILLIAM BURCHARD.

CHICAGO FLORISTS.

The stag party given by the Chicago Florists' Club at Morton Grove Saturday evening, August 8, was largely attended, 150 or more being present. The time passed quickly, a first-class vaudeville being followed by a sparring contest and greatly enjoyed by the florists.

To the Convention Visitors

We joyously extend the Glad Hand and say

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WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI August 10		CHICAGO August 10		BUFFALO August 10		PITTSBURG August 10	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Fancy and Extra.....	12.50	to 15.00	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00
" No. 1.....	8.00	to 10.00	5.00	to 10.00	8.00	to 12.00	6.00	to 10.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 6.00	3.00	to 6.00	6.00	to 8.00
" Ordinary.....	2.00	to 3.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	5.00	to 6.00	4.00	to 6.00	6.00	to 8.00
" Ordinary.....	2.00	to 3.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Maryland, Taft, Extra.....	4.00	to 6.00	5.00	to 8.00	4.00	to 6.00	6.00	to 8.00
" Ordinary.....	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Russell, Sawyer.....	1.00	to 6.00	4.00	to 20.00	5.00	to 8.00	.....	to
Carnations, Fancy.....	.....	to	1.50	to 2.00	1.00	to 1.50	.....	to 2.00
" Ordinary.....	.....	to .....	.50	to 1.00	.....	to .....	.....	to 1.00
Cattleyas.....	.....	to 50.00	30.00	to 35.00	25.00	to 35.00	40.00	to 50.00
Lilies, Longiflorum.....	8.00	to 12.50	6.00	to 8.00	6.00	to 10.00	.....	to 10.00
Lily of the Valley.....	.....	to 4.00	1.00	to 4.00	.....	to 4.00	2.00	to 4.00
Asters.....	2.00	to 4.00	1.00	to 4.00	.50	to 2.50	.75	to 3.00
Glaucol.....	2.00	to 5.00	2.00	to 4.00	1.50	to 4.00	2.00	to 4.00
Corn Flower.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Daisies, white and yellow.....	.....	to .....	.25	to .50	.....	to .....	.....	to
Sweet Peas.....	.....	to .....	.....	to .....	.20	to .40	.....	to
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	.....	to 1.00	.75	to 1.50	1.00	to 1.25
Smilax.....	.....	to 12.50	12.00	to 15.00	.....	to 15.00	10.00	to 15.00
Asparagus Plumosus, Strings (100).....	to 50.00	40.00	to 50.00	to 40.00	40.00	to 50.00
" " & Spreng. (100 bchs.).....	to 35.00	25.00	to 35.00	to 35.00	30.00	to 40.00

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Flower Market Reports

BOSTON In common with the rest of the country Boston is depressed under the burden of asters and gladiolus blooms which are being rushed in from all directions. They are good enough but there are far too many of them and even if business was rushing beyond precedent it could not absorb half of them. But it is not rushing nor even creeping. The usual sources of summer demand are silent this year, Newport, Bar Harbor, Saratoga, Naragansett Pier, etc., being apparently off the map. All kinds of flowers are plentiful and difficult to move with any profit.

BUFFALO What we need in this section is good rain in order to get a good late crop of asters. The early crop is practically a failure and there are but very few coming into the market that are what you call first-class. There are a lot of short-stemmed and off color quality coming in on which there is little or no sale. The same may be said of gladioli. The best sell and the balance goes for whatever is offered in many cases. Roses are not so plentiful and quite satisfactory sales have been had. My Maryland is fine as are also Mock, Ward, Double White Killarney and Beauty; the latter have not taken well up to this time. A fine lot of lilies are had in giganteum and Japans, also lily of the valley and sweet peas and other stock. Plenty of greens.

CHICAGO There is no change in either price or condition this week. A few dol-

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON August 13		ST. LOUIS August 10		PHILA. August 4	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	18.00	to 25.00
“ “ Fancy and Extra	6.00	to 12.00	15.00	to 18.00	10.00	to 15.00
“ “ No. 1	2.00	to 4.00	5.00	to 10.00	5.00	to 8.00
Killarney, Richmond, Extra	3.00	to 6.00	4.00	to 6.00	3.00	to 6.00
“ “ Ordinary	.25	to 2.00	2.00	to 3.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 6.00	5.00	to 6.00	3.00	to 6.00
“ “ Ordinary	.50	to 2.00	3.00	to 4.00	1.00	to 2.00
Maryland, Taft, Extra	3.00	to 6.00	4.00	to 6.00	4.00	to 5.00
“ “ Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 2.00
Russell, Sawyer	3.00	to 12.00	3.00	to 10.00	3.00	to 8.00
Carnations, Fancy	.75	to 1.00	2.00	to 3.00	....	to 2.00
“ “ Ordinary	.50	to .75	.75	to 1.00	....	to 1.00
Cattleyas	20.00	to 35.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum	4.00	to 7.00	6.00	to 8.00	8.00	to 12.00
Lily of the Valley	2.00	to 3.00	2.00	to 5.00	3.00	to 4.00
Asters	.15	to 1.00	1.00	to 3.00	.50	to 2.50
Gladioli	1.00	to 2.00	1.00	to 4.00	1.00	to 3.00
Corn Flower	....	to .25	....	to .40	....	to .50
Daisies, white and yellow	....	to .50	.75	to 2.00	....	to
Sweet Peas	.10	to .25	.20	to .40	....	to .50
Gardenias	....	to 1.00	1.00	to 1.25	1.00	to 1.50
Adiantum	75	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	12.00	to 15.00	10.00	to 12.50	....	to 15.00
Asparagus Plumosus, Strings (100)	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
“ “ & Spreng. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	25.00	to 25.00

lars will buy a large quantity of flowers. American Beauties did not shorten up as much as had been predicted and are still seen in quantity. All roses, especially short ones, are abundant with the exception of good white roses, which are scarce. Lilies are moving fairly well, while lily of the valley goes slowly. Field carnations supply the bulk of that flower; stems are short but there are a few fairly good blooms from old plants. Asters are still of the early varieties and a very large proportion are not worth handling. Some much better ones, grown in greenhouses, are offered and it is from these that the best sales are made. Gladioli are an impossibility when it comes to exchanging them for the dollars and the growers

are producing better stock than in past seasons, which means only a greater loss. Miscellaneous stock is also in fair supply and there seems no lack of green.

Business is rather quiet. As far as the demand is concerned it is very limited in amount. The cut of all kinds of seasonable flowers is far more than sufficient for immediate needs. The rose supply is large and includes some excellent offerings in American Beauties, Taft, My Maryland and Sawyer. Sales are slow and prices very low. Giganteum lilies are again plentiful. Aster receipts are large and more than able to take care of all business in this line. The large

Continued on Page

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Aug. 8 1914		First Half of Week beginning Aug. 10 1914	
American Beauty, Special	12.00	to 15.00	12.00	to 20.00
" " Fancy and Extra	8.00	to 10.00	8.00	to 10.00
" " No. 1	2.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 4.00
" " Ordinary	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	2.00	to 4.00
" " Ordinary	.25	to 1.00	.25	to 1.00
Maryland, Taft, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary	.25	to 1.00	.25	to 1.00
Russell, Sawyer	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy Grade	.75	to 1.00	.75	to 1.00
" " Ordinary	.50	to .75	.50	to .75

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Flower Market Reports

(Continued from page 255)

white ones are apparently enjoying the best call. Gladioli continue plentiful. The market in both asters and gladioli is more or less crowded.

As the season advances the unsatisfactory market conditions become more wearisome and unmanageable. The shipments of gladiolus blooms and asters are this week enormous, beyond all past experience. A large proportion of the stock cannot possibly be disposed of, other than to throw them away daily to make room for the oncoming avalanche. Lilies are again overplentiful and values have dropped back into the discard. Of carnations very few are seen and the whites are the only ones that sell. No change in roses since last week, quantities of little ones from young plants being received but good stock in white being quite scarce. Other material is about normal for mid-summer. Southern asparagus continues to make a fine record. It arrives in excellent shape and finds an active demand.

We are in the PHILADELPHIA midst of the usual summer dullness; buyers are very conservative and sales are small and few. Lots of poor asters—probably fifty per cent are under grade, especially of the older crop. The newer crop is much better. Gladioli are still fairly plentiful but not so much of a glut as heretofore. The high tide is past. Roses are coming rather more freely. Some of the new crop are now appearing. White and pink Killarney are among the latter, short-stems but very good flowers. There are some nice Hadley and Ophelia, also rather short-stemmed as yet. Carnations are not a factor. Belladonna and other delphiniums of that type are again in good form from the second crop, although not so long-stemmed as earlier in the season.

The market has been very weak as far as demand was concerned, ST. LOUIS but as to receipts it is in fine condition. Anything wanted and as much of it as wanted are to be had at prices that are much lower than any summer heretofore. Gladioli, roses and asters have been crowding the market all week with the demand so light that much of the stock had to be dumped. The young roses are coming in heavily. Asters are in abundance with only the light colors selling. Gladioli have choked up the market and \$10 per 1,000 is considered a fair price for them.

PHILADELPHIA NOTES.

No decision has yet been rendered in the damage suit brought by Frank P. Myers and George Burton against the local Smelting Co. This being vacation season the County Court judges need more time than usual. The case was tried last week.

Robert Craig Co. will have three beds of crotons at the outdoor exhibition in the Back Bay, Boston. These will be well worth seeing and will emphasize what a superb effect can be produced with this subject. They will be mostly American grown seedlings as yet but little known.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 8 1914		First Half of Week beginning Aug. 10 1914	
Cattleyas.....	15.00	to 35.00	15.00	to 40.00
Lilies, Longiflorum.....	2.00	to 3.00	2.00	to 3.00
" Rubrum.....	2.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Asters.....	.25	to 1.00	.25	to 1.00
Gladioli.....	1.00	to 2.00	.50	to 1.00
Corn Flower.....	.....	to .25	.....	to .25
Daisies, white and yellow.....	.....	to .50	.....	to .50
Sweet Peas (per 100 bunches).....	1.00	to 5.00	1.00	to 5.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00
Adiantum.....	.50	to .75	.....	to .50
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	25.00	to 35.00
" & Spren (100 bunches).....	15.00	to 20.00	15.00	to 20.00

A FLORIST FARMER.

Up at Chappaqua, N. Y., once famous as the home of Horace Greeley, lives a successful Long Island florist who, while desiring to retire from the burden and exactions of business life yet could not bring himself to abandon hard work so he moved to Chappaqua, acquired a farm of seven acres and settled down to the enjoyment of plowing, digging, hoeing, planting and other light relaxations of like character. And now the wilderness on the hillside begins to blossom as the rose and the trees are bending under their weight of luscious fruit and the neighbors all about are commencing to take notice, and wonder why they can't do likewise, and so Chappaqua may soon become famous again—this time because of its beautiful gardens, and another monument may sometime be erected—this one to commemorate W. H. Siebrecht, because instead of saying "Go west, young man," he said, "Stay right here, young man, and develop the land you have at home."

Besides fruit of every description and an extensive vegetable garden, large numbers of ornamental trees, shrubs, conifers, etc., have been set out and beauty and utility have been agreeably combined. Bee culture is also carried on to the extent of about a ton of extracted honey a year. The real eye-opener, however, for the commercial florist is the contents of a greenhouse 40x175, crowded to the limit with *Acacia pubescens*. We doubt if there is anywhere in the world a house to equal it. The old plants are trained to cross trellises, five plants and six plants alternately to a trellis, the centre ones rising to a height of 15 feet and spreading out in great umbrellas of lacy green that almost obscure the roof and will produce their pendant showers of golden yellow in great profusion from Christmas to Easter. There are 39 of these cross-trellises, so that the number of trees in the house is over 200. Between them stand as many more young plants in pots of various sizes and another large house will soon be erected to accommodate these. Mr. Siebrecht is still working away on the old problem of the propagation of *Acacia pubescens* and with a considerable success. Many difficulties are encountered but the solution seems to be on the way. "Ye editor" had a glorious holiday visiting this interesting place and in the society of its genial companionable owner. We hope he may have many years yet in which to enjoy his farm and its charming outlook over the green hills and valleys of Chappaqua. "They are happy men whose natures sort with their vocations."

GREENHOUSES BUILDING OR CONTEMPLATED.

- Canton, Ill.—Geo. Jacobs, additions.
- Warwood, W. Va.—Albert Last, one house.
- Catonsville, Md.—T. W. Gray, two houses.
- Morris, Ill.—Morris Floral Co., 125 ft. house.
- Thorsby, Ala.—Howard Bros., Moninger house.
- Waterloo, Ia. — Chas. Sherwood, three houses.
- North Taunton, Mass.—A. R. Field, 60 ft. addition.
- Mt. Joy, Pa.—E. H. Zercher, King house, 30 x 150.
- Mt. Carroll, Ia.—Ed. Margileth & Son, one house.
- New Canaan, Ct.—S. B. Hoyt, Main street, one house.
- Horseheads, N. Y. — Earl Shults, King house, 18 x 50.
- West Rindge, N. H.—Miss M. L. Ware, house 16x120.
- Moscow, Idaho—Scott Bros., propagating house, 9 x 125.
- Wilmette, Ill.—Pyfer & Olsem, additions and alterations.
- Woburn, Mass.—C. B. Johnson, two houses, each 40 x 250.
- Creston, Ia.—Creston Greenhouses & Floral Co., one house.
- Fairhaven, Mass.—Peter Murray, additions and alterations.
- Kalamazoo, Mich. — City Greenhouses, range of houses.
- Stoughton, Mass.—Robert Hutcheon, Grove street, one house.
- Shenandoah, Ia.—Stevens Floral Co., three houses, each 25 x 100.
- Fall River, Mass.—Wm. Wilkinson, Grove avenue, addition, 20x50.
- Brooklyn, N. Y.—Peter Wagner, Midwood street, three houses, each 20 x 72.
- Indianapolis, Ind.—Roepke Floral Co., E. Washington street, one house.
- Rockville Center, N. Y. — Geo. T. Schunemann, Hitchings house, 65 x 300.
- New Bedford, Mass.—James F. Smith, 196 Hawthorn street, house 22x60.
- Germantown, Pa.—E. H. Weidenbacher, 4516 Germantown avenue, house 16x50.

PATENTS GRANTED.

- 1,105,674. Weed-Killing Device. Joseph Lytle, Jr., Formby, Liverpool, England.
- 1,105,684. Weed Puller. Daniel E. Nuttall, Emsworth, Pa.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BEDDING PLANTS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and Florence Davenport. 2½ in. pots. Delivery from May 15th. JULIUS ROEHR'S CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.
French Bulbs.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

Magnum Bonum Nursery, Holland, Mich.
Calla Bulbs.
For page see List of Advertisers.

CAMELLIAS

Thousands of plants from 6 in.-9 in. pots, covered with flowering buds—in many varieties. JULIUS ROEHR'S CO., Rutherford, N. J.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Leo Niessen Co., Philadelphia, Pa.
Field Grown Carnation Plants.
For page see List of Advertisers.

Pink Delight. 5000 good field plants ready to bench, \$80.00 per 1000. Cash please. A few thousand other sorts. STROUTS', Biddeford, Me.

FIELD GROWN CARNATIONS

Ready Now.
Best stock we have ever had of the Novelties and Standards.
Write for prices.
CHARLES H. TOTTY, MADISON, N. J.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

CHRYSTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CONVENTION HOTEL ACCOMMODATIONS

Copley Square Hotel, Boston, Mass.
For Page see List of Advertisers.

Hotel Nottingham, Boston, Mass.

Hotel Victoria, Boston, Mass.
For page see List of Advertisers.

Hotel Puritan, Boston, Mass.

Hotel Brunswick, Boston, Mass.

Martin & Gillies, Brookline, Mass.

CHRISTMAS PEPPERS

Christmas Peppers Birdseye, extra fine stock plants in bloom, 2½ in., \$2.50 per 100; 4 in. in fruit, \$6.00 per 100. CARL-MAN RIBSAM, 31 Wall St., Trenton, N. J.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen, best German strain, in fine assorted colors; good stock out of 2½ in. pots at \$5.00 per 100. J. H. FIESSER, North Bergen, N. J.

Cyclamen from 3½ in. pots, \$15.00 per 100; 4 in., \$25.00 per 100; 5 in., \$50.00 per 100. Finest strain, separate colors. JULIUS ROEHR'S CO., Rutherford, N. J.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

FERNS

McHutchison & Co., New York City.
Ferns in Flats.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

For List of Advertisers See Page 203

FERNS—Continued

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

Ernest Oechslin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co., Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

Sanderson Fertilizer and Chemical Co., New Haven, Conn.
South American Sheep and Goat Manure.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Pelce, Waltham, Mass.
Pelce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FORCING FRAMES

Geo. N. Barrie, Brookline, Mass.
Glass and Wooden.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

John McKenzie, No. Cambridge, Mass.
For page see List of Advertisers.

GERANIUMS—Continued

Geraniums, La Favorite, Perkins, Jean Oberle, Ricard, Landry, Col. Thomas, Dagata, Vlaud, \$2.00 per 100, \$18.50 per 1000. Clair Frenot, Luigi Grandi, Mrs. E. G. Hill, Poltevine, Mrs. Annie Vincent, \$2.50 per 100, \$20.00 per 1000. Ruby \$4.00 per 100. S. A. Nutt at the special price of \$1.75 per 100, \$16.00 per 1000. The above is all fine stock in two inch pots. Write for Catalogue, F. H. DEWITT & COMPANY, Wooster, Ohio.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.

Hitchings & Co., New York City.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L. MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.
Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

Hammond Slug Shot Works, Beacon, N. Y.
Hammond's Grape Dust.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

IRIS**THE IRIS! THE IRIS!**

200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per root. Some of the finest on earth. Send 10 cents for Iris manual.
C. S. HARRISON SELECT NURSERY,
York, Nebr.

JERUSALEM CHERRIES

Jerusalem Cherry, out of 2 1/4 in. pots at \$3.00 per 100. J. H. FIESSER, North Bergen, N. J.

Jerusalem Cherries, fine strong and bushy plants ready for a 4 in. shift. Fra Diavola (new) and Capsicnstrum, 2 1/2 in., \$2.50 per 100; \$22.00 per 1000; 4 in., extra fine, \$6.00 per 100. CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON
Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILIAM HARRISII

F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS

August Rolker & Sons, New York City.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

PALMS, ETC.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

PANSY SEED

Henry F. Michell Co., Philadelphia, Pa.
Giant Prize Pansy Seed.

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

A. T. Boddington, New York City
Gigantic Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.

PEONIES.

S. G. Harris, Tarrytown, N. Y.
For page see List of Advertisers.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Special-
ist, Chenonceaux, France.

Peonies: Marie Lemoine and other fine
varieties. Write for list. THOMAS J.
OBERLIN, Sinking Spring, Pa.

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A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHR'S CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POINSETTIAS

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

PRIMULA MALACOIDES

A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES—Continued

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Mignonette Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Mignonette and Pansy Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Lochner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and
orchid basket always on hand. LAGER
& HURRELL, Summit, N. J.

For List of Advertisers See Page 203

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection
JULIUS ROEHRS CO., Rutherford, N. J

STRAWBERRY PLANTS

Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.
Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphise Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.
Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued**New York—Continued**

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St N. W.
For page see List of Advertisers.

THE ANNUAL MEETING OF THE FLORISTS' HAIL ASSOCIATION

will be held at

**Mechanics Hall, Boston, Thursday,
August 20, at 9 A. M.**

JOHN G. ESLER, Sec.

FOR SALE

FOR SALE—Large place in New Jersey, near New York City; 30,000 feet of glass, large dwelling and furniture, barn, horses, and automobile; well established business, local and wholesale; also large landscape business. Place is near trolley and railroad, and is in first class condition, all up-to-date improvements. Price very reasonable; owner must sell at once, going west. Particulars **CHAS. MILLANG**, 55 W. 26 St., New York City.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Have-meyer St., Brooklyn, N. Y.

FOR SALE—Florist refrigerator and also cash register made especially for the florist business. For sale cheap. **OSGOOD BROS.**, 287 Elm St., Everett, Mass.

FOR RENT

FOR RENT—Greenhouse range, six houses about 10,000 sq. ft. of glass, with store and sheds attached, in very favorable retail location. Write for particulars, giving references as to financial responsibility, character, etc. **CURRIE BROS. CO.**, Milwaukee, Wis.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$2.75 per 112 lbs.; \$12.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

**DREER'S**

Florist Specialties.
New Brand. New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
½-inch, " 13 c.
Reels, 500 ft., " 12½c.

Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

Cocoanut Fibre Soil

This is the Real Nature's Humus. Put it on your lawn this spring. Don't let it burn up, or stand all summer hose in hand.

Order now in 100 lb. bags.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building

Washington, D. C.

In writing to Advertisers kindly mention Horticulture

NEW ADVERTISEMENTS IN THIS ISSUE

"ALL STEEL" CURVED EAVE GREENHOUSES.

John C. Moninger Co., Chicago, Ill.
For page see List of Advertisers.

AN INVITATION.

New England Nurseries Co., Bedford Mass.
For page see List of Advertisers.

ANNUAL MEETING.

Florists' Hail Association, John G. Esler, Sec.
For page see List of Advertisers.

ASPARAGUS PLUMOSUS NANUS.
Collingdale Greenhouses, Collingdale, Pa.
For page see List of Advertisers.

BULBS AND SEEDS.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

CALLA BULBS.

Magnum Bonum Nursery, Holland, Mich.
For page see List of Advertisers.

DECORATIVE PLANTS—EVER-GREENS—ORCHIDS—FERNS.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

DOMESTIC FLORISTS' SUPPLIES.
H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

EARLY BLOOMING GLADIOLI.
Charles Millang, New York City.
For page see List of Advertisers.

FERNS FOR DISHES AND DECORATIVE PLANTS.

Frank Oechslein, Chicago, Ill.
For page see List of Advertisers.

FLORISTS FROM EVERYWHERE WELCOME.

Hoffman, Boston, Mass.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.
Pennock Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.
Geo. E. M. Stumpp, New York City.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.
Florists' Telegraph Delivery Association, Detroit, Mich.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.
Penn The Florist, Boston, Mass.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.
John Breitmeyer's Sons, Detroit, Mich.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.
Julius A. Zinn, Boston, Mass.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.
Thomas F. Galvin, Inc., Boston and New York.
For page see List of Advertisers.

GEMS AMONG FORCING RAMBLERS.

M. H. Walsh, Woods Hole, Mass.
For page see List of Advertisers.

GERANIUMS.

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

GOLD MEDAL PEONIES.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.
For page see List of Advertisers.

GREENHOUSE AND HOT-BED GLASS.

G. S. Bennett & Co., Philadelphia, Pa.
For page see List of Advertisers.

GREENHOUSE BOILERS.

Kroeschell Bros. Co., Chicago, Ill.
For page see List of Advertisers.

GREENHOUSE BUILDING.

The Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL.

A. Dietsch Co., Chicago, Ill.
For page see List of Advertisers.

GREENHOUSE VENTILATING APPARATUS AND FITTINGS.

Advance Co., Richmond, Md.
For page see List of Advertisers.

CROTONS AND DECORATIVE PLANTS.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

HAND-MADE GREENHOUSE GLASS.
Johnson Brokerage Co., Pittsburg, Pa.
For page see List of Advertisers.

HICKS' TREES.

Isaac Hicks & Son, Westerly, L. I., N. Y.
For page see List of Advertisers.

HIGH GRADE SEEDS, BULBS, ETC., INSECTICIDES AND AGRICULTURAL HARDWARE.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

INVITATION TO NURSERIES.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

LILIUM FORMOSUM.

Yokohama Nursery Co., New York City.
For page see List of Advertisers.

NEW CARNATION ALICE.

Peter Fisher, Ellis, Mass.
For page see List of Advertisers.

PALMS AND FERNS.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

PEONY ROOTS.

Rosedale Nurseries, Tarrytown, N. Y.
For page see List of Advertisers.

PRICES CANCELLED.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

RAMBLER ROSES.

E. W. Breed, Clinton, Mass.
For page see List of Advertisers.

RED DEVIL GLASS CUTTER.

Smith & Hemenway Co., New York City.
For page see List of Advertisers.

ROSES, CARNATIONS, ETC., PLANTING STOCK.

Poehlmann Bros., Co., Chicago, Ill.
For page see List of Advertisers.

SEEDS, BULBS AND SUNDRIES.
Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

SEED SPECIALISTS.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

SPRINKLING, IRRIGATION AND WATER SUPPLY OUTFITS.
Charles J. Jager Co., Boston, Mass.
For page see List of Advertisers.

STEARNS CYPRESS.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

SUPERIOR BULBS.

Peter Henderson & Co., New York City.
For page see List of Advertisers.

SWASTIKA BRAND CANNAS.

Conard & Jones Co., West Grove, Pa.
For page see List of Advertisers.

SYRACUSE RED POTS.

Syracuse Pottery, Syracuse, N. Y.
For page see List of Advertisers.

THE HOUSE OF RELIABILITY.

James McManus, New York City.
For page see List of Advertisers.

VISITORS WELCOME.

William W. Edgar Co., Waverly, Mass.
For page see List of Advertisers.

VISITORS WELCOME.

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

WHOLESALE FLORISTS.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

WHOLESALE FLORIST.

J. K. Allen, New York City.
For page see List of Advertisers.

WHOLESALE FLORIST.

William P. Ford, New York City.
For page see List of Advertisers.

WHOLESALE FLORIST.

Edward Reid, Philadelphia, Pa.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Berger Bros., Philadelphia, Pa.
For page see List of Advertisers.

WHOLESALE FLORIST.

Peter Reinberg, Chicago, Ill.
For page see List of Advertisers.

WHOLESALE FLORISTS.

A. L. Vaughan & Co., Chicago, Ill.
For page see List of Advertisers.

WHOLESALE FLORISTS.

Montreal Floral Exchange, Montreal, Canada.
For page see List of Advertisers.

Stearns Cypress Hot-Bed Sash

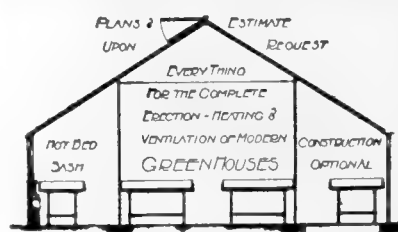
Pecky Cypress Bench Stock

ASK FOR CIRCULAR D

THE A. T. STEARNS LUMBER COMPANY

BOSTON, MASS.

S. JACOBS & SONS



1359-1385 Flushing Ave.

BROOKLYN, - - - N. Y.

Pulverized or Shredded Cattle Manure Pulverized Sheep Manure

Rose and Plant Growers

Now is the time to get Cattle Manure into your bench and potting soil. Its peculiar action and effect cannot be had with anything else. Splendid quality being packed right now. Order today.



Carnation Growers

Can't afford to make beds or set plants without it. Wizard Brand is pure, full strength, weed seeds killed, uniform and reliable. Ask your Supply House for Wizard Brand, or write us direct.

The Pulverized Manure Co., 31 Union Stock Yards, Chicago

LEMON OIL CO.'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

FERTILENE

The Ideal Plant Food.

Unequaled for Producing Lusty Chrysanthemums

Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**



IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write
EASTERN CHEMICAL CO., BOSTON

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

**FARMERS AND FLORISTS
FERTILIZER CO.**

809 Exchange Ave., Rm. 15. Tel. Yards 842.
U. S. YARDS, CHICAGO, ILL.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.
251 East 66th St., New York, N.Y.

AGRICULTURAL EXPERIMENT STATIONS

are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

"40% NICOTINE"

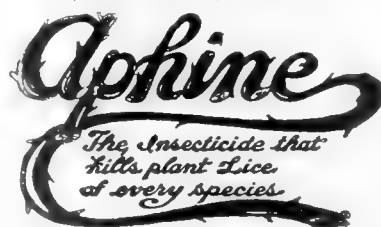
\$13.00 Gallon—\$3.75 Quart—\$2.00 Pint

Compare these prices with what you now pay.

NIKOTIANA

A 12% Nicotine solution properly diluted for vaporizing and fumigating.

\$4.50 Gallon—\$1.50 Quart.



The Recognized Standard Insecticide For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$2.50 Gallon—\$1.00 Quart.

FUNGINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

\$2.00 Gallon—75c. Quart.

VERMINE

For cut and wire worms working in the soil. It can be applied to all vegetation.

\$3.00 Gallon—\$1.00 Quart.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

\$1.50 Gallon—75c. Quart.

If you cannot obtain our products from your local dealer, send us your order with remittance and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals
MADISON, N. J.



NIKOTEEN 30 Per Cent Strength For Spraying

APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

G. S. BENNETT & COMPANY

112-114 North 9th St., Philadelphia

GREENHOUSE and HOTBED GLASS

Est. 1765

"FOR POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half

HEWS STANDARD POTS

World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts

A. H. HEWS & CO., Inc., Cambridge, Mass.

Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.Visit our extensive exhibit at Mechanics Building and Convention Garden, Boston,
During S. A. F. and O. H. Convention

SYRACUSE RED POTS

Light in weight—they save in freight
Tough and strong—last twice as long
Look so neat—can't be beat

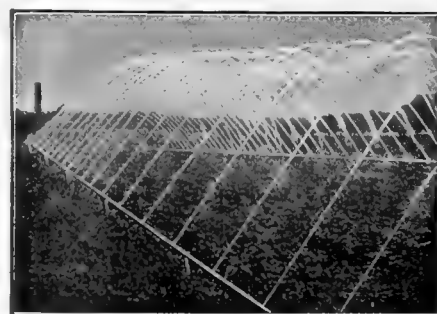
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SYRACUSE POTTERY

C. BREITSCHWERTH, Prop.

Successor to Syracuse Pottery Co., Syracuse, N. Y.

SAVE YOUR LAWN AND GARDENS



Sprinkling, Irrigation and
Water Supply Outfits

Country Estates a Specialty

Write us of your needs and conditions
and we will tell you what we can do
for you.

Charles J. Jager Co.

Consulting and Contracting Engineers

13-15 Custom House St., BOSTON, MASS.

and

33 Canal St., PROVIDENCE, R. I.

Skinner Irrigation System

For Farm, Garden and Lawn

BARRIE GLASS FORCING
FRAMES

WOODEN MELON FRAMES

GEO. N. BARRIE
BROOKLINE, - - MASS.

Telephone Connection.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price
per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS. Pottery, Fort Edward, N.Y.

August Rolker & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY — Long Distance and Trade Export

When writing to advertisers kindly
mention HORTICULTURE.



The best PAPER
POT for shipping
purposes. Sizes from
2 in. to 6 in.

Ask your dealer for
them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

KING

The name that assures "the
most for the money" in

GREENHOUSES

Write for Bulletin No. 47
and you will see why.

KING CONSTRUCTION CO.

28 King's Road, N. Tonawanda, N.Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.

W. H. ERNEST

28th & M Sts. Washington, D C

HIGH GRADE HAND-MADE GREENHOUSE GLASS

We are the Largest Distributors of

Hand-Made Greenhouse Glass in the United States

Factories Located in Pennsylvania, West Virginia, Ohio and Indiana

Careful Selection and Packing. Uniform Quality Guaranteed
Shipping Facilities Unequalled

OUR SPECIALTY: QUALITY AND SERVICE

All Reputable Dealers Handle Our Brands.

Send Us Your Inquiries

JOHNSTON BROKERAGE COMPANY

2104-2105-2106 First National Bank Building, PITTSBURGH, PA.

Represented by

HENRY A. COLE, 323-334 Manhattan Bldg., Chicago, Ill.

E. H. FLOOD, Franklin Bank Bldg., Philadelphia, Pa.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Orders from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER
714 Chestnut Street,
Philadelphia.

FULL SIZE No 2

WAR NEWS

at the convention is not interesting, so when looking over all the exhibits you will find us missing. Sorry as our attention is required at home

FURNISHING GREENHOUSE MATERIAL

Hot Bed Sash Pecky
Cypress, Paint, Putty,
Hardware Fittings,
Posts.



Greenhouse Materials
of La. Red Cypress,
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GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

WAR!

with all its accompanying terrors is rife in **EUROPE** where **MANKIND** will pay the terrible toll and disrupted homes and fatherless families scattered will be part of the usual results of the hasty action of our bellicose friends across the ocean. **HE WHO LIVES BY THE SWORD SHALL DIE BY THE SWORD.** Meantime we hope the **FOOL KILLER** will be on deck and doing business, and shall prevent **ROCKING THE BOAT**, and that sane thoughts and actions shall guide our people.

OUR GREAT INLAND EMPIRES, IOWA, ILLINOIS and INDIANA

are getting ready to further pave the way to future **PEACE** and **PLENTY** by having us erect for them at their magnificent

STATE COLLEGES, AMES, URBANA and PURDUE

strictly modern up-to-date Iron Frame Greenhouses, wherein to teach our growing youth and prepare him for the rich harvest in store for him in the culture of flowers and vegetables in the years of prosperity that are sure to be our lot even though it may be partly at the expense of our turbulent friends abroad.

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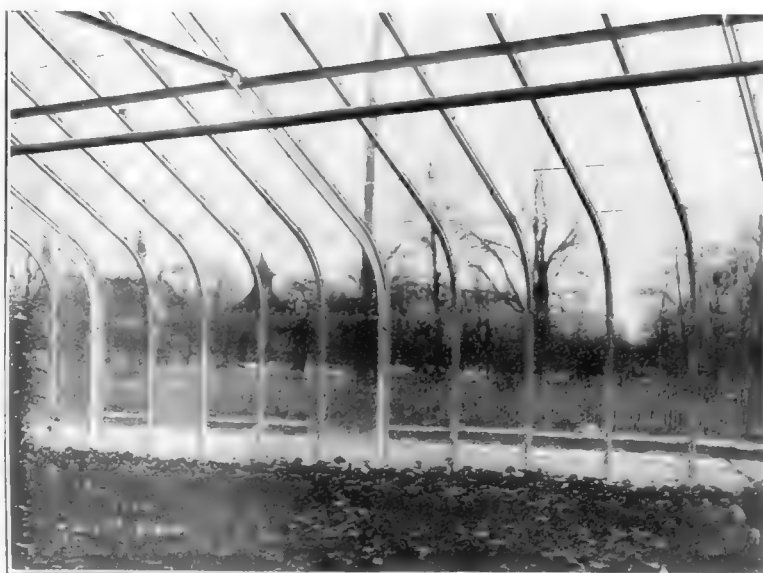
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The Foley Greenhouse Mfg. Co.

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"All Steel" Curved Eave Is the Modern House



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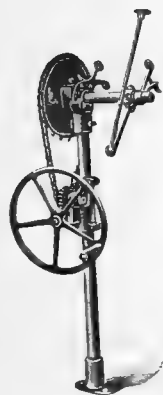
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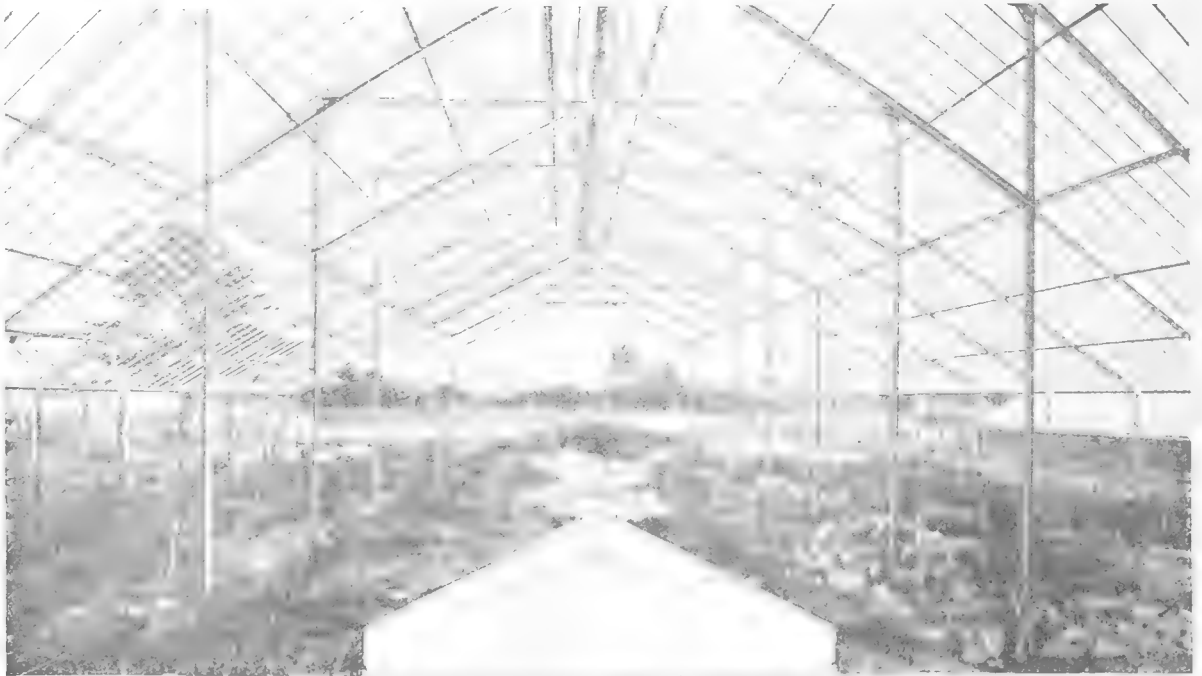
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Richmond, Ind.

See our Representative at the Boston Convention



This snap-shot of the framework of Mr. Roper's house at Tewksbury, Mass., gives something of an idea of the construction. When completed, we will take another photo and tell you all about it.

Points of Interest About Some Of Our Boston Houses

TEWKSBUURY, on the outskirts of Mr. Roper's home town, is a quiet village of about 1,000 people, with a population of about 1,000 people. It is a quiet village of about 1,000 people, with a population of about 1,000 people.

The house is a fine example of the construction of the Hitchings and Company. It is a fine example of the construction of the Hitchings and Company. It is a fine example of the construction of the Hitchings and Company.

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The house is a fine example of the construction of the Hitchings and Company. It is a fine example of the construction of the Hitchings and Company. It is a fine example of the construction of the Hitchings and Company.

So Saturday afternoon, all three went over to Mr. Roper's house. They found the house in a state of construction. They found the house in a state of construction. They found the house in a state of construction.

one thing in mind that of influencing you to surely see the McCarthy house. Its construction is of special design, made to meet Mr. McCarthy's ideas and the chances are you might not want one just like it. But it is a splendid example of fine workmanship in EVERY PARTICULAR.

Based on the quality of materials, and careful attention to every construction detail, both Mr. Roper and Mr. Beal (the latter of Hanover, Mass.) were influenced to buy our houses.

All three houses are constructed differently—but in the same way. They are constructed differently—but in the same way. They are constructed differently—but in the same way.

Some don't seem to care a hoot how their house is "finisled up". But there is an increasing number who do. They are "finisled up". But there is an increasing number who do. They are "finisled up".

where for business. Or to talk business.

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40 S. 15th Street

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HORTICULTURE

VOL. XX

AUGUST 22, 1914

No. 8



PATRICK WELCH

President elect, Society of American Florists and Ornamental Horticulturists.

HEACOCK'S

PALMS

And

FERNS



Home Grown,
Strong, Clean
and Well Established

*When in Philadelphia Be
Sure to Look Us Up*

WHOLESALE PRICE LIST

KENTIA FORSTERIANA.

Pot	Leaves	In. high	Each	Doz.
6-in.	5-6	28-30	\$1.00	\$12.00
6-in.	6	34-36	1.50	18.00

MADE-UP KENTIA FORSTERIANA.

Cedar tub	Plants	In. high	Each
7 in.	4 in tub	36.....	\$2.50
9-in.	4 in tub	40-42.....	4.00
9-in.	4 in tub	42-48.....	5.00
12-in.	4 in tub	5-5½ ft.....	10.00
12-in.	4 in tub	5½-6 ft.....	12.50
12-in.	4 in tub	6 ft. heavy.....	15.00
12-in.	4 in tub	7-8 ft.....	20.00

PHOENIX ROEBELENI.

	Each
5 in. pot, nicely characterized	\$1.00
6 in. pot, 18 to 20-in. spread	1.50
7-in. tub, 18 inches high, 24-in. spread	2.00

KENTIA BELMOREANA.

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8-10.....		\$1.50
3-in.	5	12.....		2.00
4-in.	5-6	15.....	\$0.40	4.50
5-in.	5-6	18.....	.50	6.00
6-in.	6-7	24.....	1.00	12.00
6-in.	6-7	26.....	1.25	15.00
6-in.	6-7	28-30.....	1.50	18.00

Cedar tub	Plants	In. high	Each	Doz.
7-in.	6-7	34-36.....	2.50	30.00
7-in.	6-7	36-38.....	3.00	36.00
9-in.	6-7	42-45.....	4.00	48.00
9 in.	6-7	45 to 48, very h'vy	5.00	
9-in.	6-7	48 to 54, very h'vy	6.00	
9 in.	6-7	5 ft., very heavy.....	8.00	
9 in.	6-7	6 ft., very heavy.....	10.00	

CIBOTIUM SCHIEDEI.

	Each
9 in. tub, 4 ft. spread	\$1.00
9 in. tub, 5-ft. spread	5.00

Joseph Heacock Co.

Railway Station JENKINTOWN

WYNCOTE, PA.

GERANIUMS

We have a splendid lot of good three inch pot plants ready for immediate shipment in a fine assortment of colors for winter blooming \$3.00 per 100, \$25.00 per 1,000.

As noted in the trade papers a short time ago, there is a growing demand for a greater variety of colors. We have the best assortment in the Country; our standard list of doubles and semi-doubles contains forty-five distinct and different varieties. Then we have a good list of standard single sorts; besides the newer kinds and novelties.

We are booking orders for next season's delivery at \$2.00

per 100, \$18.50 per 1,000, for two inch stock of the standard kinds.

Everybody who grows Geraniums should have our catalogue. Ask for it.

READY FOR SHIPMENT.

Alyssum, Giant and Double; Swainsonia White and Pink; Hardy English Ivy, \$2.00 per 100, \$18.50 per 1,000.

Look for Maryland and Scarlet Bedder at the Convention, then see us.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

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Supply the Horticultural trade with
SEEDS, BULBS, PLANTS, ETC.

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The Lily Without a Peer
MEYER'S T BRAND
Formosums GIGANTEUMS, Multiflorum
CORP. OF CHAS. F. MEYER
99 Warren St., New York

LOECHNER & CO. Lily of the Valley Pips

11 Warren St., New York, N. Y.

Write for quotations

Our Motto: The Best The Market Affords

CHAS. SCHWAKE & CO., Inc.

Horticultural Importers and Exporters
90-92 West Broadway, New York

Place Your Import Orders Now For Fall Delivery, 1914

LIL. GIGANTEUMS AND MULTIFLORUMS HOHMANN'S LILY OF THE VALLEY

Paper White Narc. & Roman Hyacinths, Dutch Bulbs,
English Golden Spur, Azaleas, Palms, Roses, Etc.

Write for Prices

LIST OF ADVERTISERS

	Page		Page		Page		Page
Advance Co.	311	Country Engli-		Hall & Robin-		McKenna & Son,	
Albany Cut		neering Co.	311	son	297	P.	297
Flower Ex.	302	Cowee, W. J.	300	Hammond Paint		McManus, Jas.	302
Allen, J. K.	302-303	Craig, Robt. Co.	272	& Slug Shot		Metropolitan Ma-	
Anderson, S. A.	297	Crowl Fern Co.	288	Works	308	terial Co.	310
Aphine Mfg. Co.	309	Davis	296	Harris, S. G.	274	Meyer, John C.	
Aschmann, G.	274	Davenport, A. M.	274	Hart, Geo. B.	302	Co.	298
Asmus, Geo.	290	Dorner, F. &		Heacock, Jos.	270	Meyer, Chas. F.	271
Ayres Co., S.		Sons Co.	274	Henderson, A., &		Michell's Seed	
Bryson	295	Dreer, H. A.		Co.	274	House	294
Badgley, Riedel			273-310-311	Hess & Swoboda	296	Michigan Cut	
& Meyer	302	Dunlop, John H.	297	Hews, A. H. &		Flower Ex.	300
Barrie, Geo. N.	310	Dysart, R. J.	300	Co.	310	Millang, Chas.	302
Barrows & Son	274	Eastern Chem-		Hilfinger Bros.	310	Miller, A. L.	274
Bayersdorfer, H.		ical Co.	309	Hill, E. G. Co.	300	Montreal Floral	
& Co.	269	Edwards Folding		Holland Nurser-		Exchange	302
Bay State Nur-		Box Co.	300	ies	289	Moore Hentz &	
series	287	Elliott, W. &		Holm & Olson	296	Nash	302
Robbink & At-		Sons	286	Irwin, R. J.	274	Morse, C. C. &	
kins	287	Ernest, W. H.	310	Jager, Chas. J.		Co.	291
Boddington, A. T.		Esler, J. G.	310	Co.	310	Mt. Desert Nur-	
	288-293	Eyres	297	Kasting, W. F.		series	272
Boligiano & Son,		Farmers and		Co.	300	Murray, Samuel	296
	295	Florists Fertil-		Keller, J. B.		National Nur-	
Boston Florist		izer Co.	309	Sons	296	seriesman	287
Letter Co.	300	Farquhar, R., &		Keller, J. M. Co.	274	Nicotine Mfg. Co.	300
Breck, J. &		J. & Co.	295	Kentucky Tobac-		Niessen, Leo	300
Sons	294	Fisher, Peter	274	co Product Co.	309	Oechslein, Ernest	274
Brietmeyer's J.		Foley Mfg. Co.	311	Kervan Co.	302	Ouwerkkerk, P.	289
Sons	296	Ford, M. C.	302	King Construc-		Palmer, W. J. &	
Bryan, Alonzo J.	274	Ford, W. P.	302	tion Co.	310	Son	296
Burnett Bros.	295	Fotter, Fiske		Komada Bros.	299	Park Floral Co.	296
Burpee, W. A. &		Rawson Co.	292	Kramer, F. H.	297	Parshelsky Bros.	310
Co.	294	Framingham		Kroeschell Bros.	311	Peirce, E. Allan	310
California Seed		Nurseries	287	Kuebler, W. H.	302	Pennock-Meehan	
Growers' Asso.	295	Froment, H. E.	302	Lager & Hurrell	289	Co.	301
Carter's Tested		Galvin, Thos. F.	297	Lemon Oil Co.	309	Penn the Florist	297
Seeds, Inc.	294	Gasser Co., J. M.	297	Leonard Seed Co.	295	Pierce, F. O.	310
Champion, J. N.		Graham Adam		Loechner & Co.	271	Pierson, A. N.	289
& Co.	297	& Son	296	May & Co., L. L.	297	Pierson, F. R. Co.	
Childs, John		Gude Bros. Co.	297	McCarthy, N. F.			289-299
Lewis	294	Hail Association	310	& Co.	300	Pierson U-Bar	
Clarke's D. Sons	296			McConnell, Alex	296	Co.	312

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 304, 305, 306, 307

Special Offer of Astilbes and Spiræas

FOR EASTER FORCING.

In this existing European entanglement, it will be wise to secure forcing stock you can depend upon for the coming season.

We have on hand strong field-grown plants of the following Astilbes and Spiræas, which we are offering for fall shipment. All of these varieties are excellent for forcing. Speak quick as we expect they will go "like hot cakes."

Astilbe Japonica			Astilbe Lemoinei, Gerbe d' Argent. White,
" " Blondin	} White.		shaded lightly soft pink.
" " Dr. Cattie		" "	Gerbe de Neige. White.
" " H. Witte		" "	Mont Blanc. White, with
" " Lord Salisbury			slight shade of pink.
" " McKinley		" "	New Rose. Soft pink.
" " Queen of Holland		" "	Panache. White.
" " Tourbillon		" "	Plumet Neigeux. White.
" " Washington		" "	Pyramidalis. White.
" " Superba			

Note: The Lemoinei section are taller and stronger growing than the Japonica, and make ideal plants when grown under glass. Astilbe Thunbergi, white, with pink shade. Astilbe Rivularis, White. Astilbe Chinense, Pale rose.

All of the above varieties are offered at the uniform price of \$6.00 per hundred to the trade.

MT. DESERT NURSERIES

BAR HARBOR, - - - - - MAINE.

BEAUTIFUL CROTONS

BY THE HUNDRED THOUSAND

Finest Collection in the World!

Over 400 Varieties!

All in perfect condition—Grown in the clear pure air of Norwood, in the newest and latest Lord & Burnham Conservatories, and by experts who know how

We offer for immediate delivery, strong plants, assorted varieties.

2½ in. Pots...	\$20.00	per 100	\$175.00	per 1,000	7 in. Pots	\$24 \$30 \$36 per doz.
4 in. Pots...	30.00	per 100	275.00	per 1,000	8 in. Pots, Made up, Beautiful Plants	\$24 \$30 \$36 per doz.
5 in. Pots...		\$50 \$75 \$100	per 100	10 in. Pots	\$5 \$6 \$7.50 each	
6 in. Pots...	\$12 \$15 \$18	\$24	per doz.	12 and 14 in. Tubs.....	\$10 \$12 \$15 \$20 each	

Every grower and retailer should feature Crotons. Send for our descriptive price list giving full particulars of all the latest new and rare CROTONS, also other MERITORIOUS NEW PLANTS.

We Know Our Stock Will Please You and Your Customers.

CRAIG QUALITY SPECIALTIES

Cyclamen

Genista

Ficus, Pandurata and Utilis

Begonia Lorraine

" Lonsdale

" (Light Sport)

" Cincinnati

Begonia Florence Davenport

(Improved Cincinnati)

Poinsettias

Gardenias

Otaheite Oranges

Pot Roses

Asplenium Nidus Avis

(Bird's Nest Fern)

Pandanus, Veitchii and Utilis

Areca

Phoenix

Hydrangea

Dracaena

(Largest Stock in America)

Nephrolepis

Adiantum, Etc.

PLACE YOUR FALL ORDERS NOW.

We will be pleased to show you our stocks both at Philadelphia and Norwood.

ROBERT CRAIG CO.,

Branch: NORWOOD, PA.

Market and 49th Streets,
PHILADELPHIA, PA.

DREER'S SPECIALS

In Palms and Other Decorative Plants For Convention Month

Our stock of decorative plants is fully equal to the usual Dreer standard. We offer a most complete line of sizes in all of the leading sorts. A personal inspection is solicited whenever possible. We are positive that you will find a personal visit to our nurseries both entertaining and profitable.

ARECA LUTESCENS.

A splendid lot of 3-inch pots, 3 plants in a pot. A most useful size that meets with ready sale. \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.
4-inch pots, 3 plants in a pot, \$3.50 per doz.; \$25.00 per 100
6 " " " " 1.00 each

COCOS WEDDELIANA.

We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2-inch pots, 5 to 6 inches high, \$1.50 per doz.; \$10.00 per 100
3 " " 8 to 10 " 2.00 per doz.; 15.00 per 100
5 " " 18 to 24 " splendid plants, 75 cts. each
7 " " 34 to 36 " grand specimens, \$2.50 each
9 " " 36 " " 5.00 each
Large specimens, \$10.00 and \$15.00 each.

KENTIA BELMOREANA.

	Doz.	100	1000
2 1/4-inch pots, 4 leaves, 8 to 10 inches high.	\$1.50	\$10.00	\$90.00
3 " " 5 " 12 " "	2.00	15.00	140.00
4 " " 5 " 15 " "	4.50	35.00	
			Each
5 " " 6 to 7 " 18 to 20 " "			\$0.75
6 " " 6 " 24 " "			1.00
6 " " 6 to 7 " 28 to 30 " "			1.50
7-in. tubs, 6 to 7 " 36 to 38 " "			3.00
8 " " 6 to 7 " 42 to 45 " "			4.00
8 " " 6 to 7 " 45 to 48 " "			5.00

KENTIA FORSTERIANA—SINGLE PLANTS.

	Doz.	100	1000
2 1/4-inch pots, 4 leaves, 8 to 12 inches high.	\$1.50	\$10.00	\$90.00
3 " " 4 to 5 " 12 to 15 " "	2.00	15.00	140.00
			Each
5 " " 5 to 6 " 24 " "			\$0.75
6 " " 6 " 28 to 30 " "			1.00
6 " " 6 " 34 to 36 " "			1.50
7 " " 6 to 7 " 38 to 40 " "			2.00
7-in. tubs, 6 to 7 " 40 to 42 " "			3.00
8 " " 6 to 7 " 45 to 48 " "			4.00
8 " " 6 to 7 " 48 " "			5.00
10 " " 6 to 7 " 4 1/2 to 5 feet high			6.00
11 " " 6 to 7 " 5 to 5 1/2 " "			8.00
10 " " 6 to 7 " 5 1/2 to 6 " "			10.00
12 " " 6 to 7 " 6 1/2 to 7 " "			15.00
14 " " 6 to 7 " 7 " "			20.00

KENTIA FORSTERIANA—MADE-UP PLANTS.

	Each
5-inch pots, 4 plants in a pot, 18 to 20 inches high.	\$0.75
7-inch tubs, 3 plants in a tub, 36 " "	2.50
7 " " 3 " 38 " "	3.00
8 " " 3 " 40 to 42 " "	4.00
8 " " 3 " 42 to 45 " "	5.00
8 " " 3 " 4 to 4 1/2 feet high	6.00
9 " " 3 " 4 1/2 to 5 " "	8.00
10 " " 3 " 5 to 5 1/2 " "	10.00
12 " " 3 " 5 1/2 to 6 " "	15.00
13 " " 4 " 6 1/2 to 7 " "	heavy. 20.00
15 " " 4 " 7 " "	25.00
15 " " 4 " 10 " "	35.00

KENTIA SANDERIANA.

Comparatively new and one of the most graceful and hardiest of the Kentias.

	Each
3-inch pots, bushy made up plants, 10 to 12 inches high.	\$0.50
4 " " " 12 to 15 " "	.75
5 " " " 24 " "	1.25

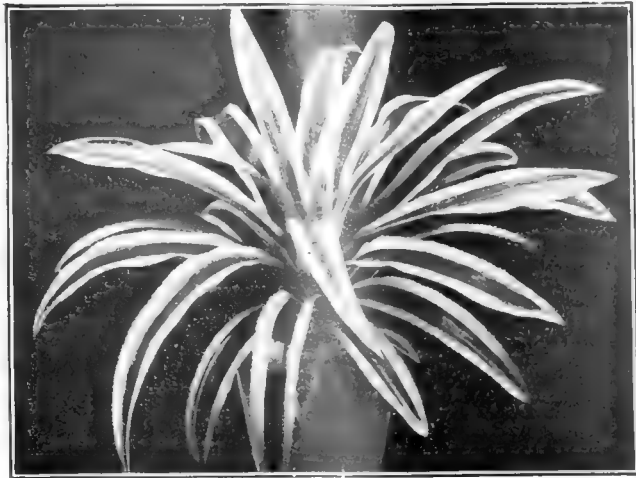
LATANIA BORBONICA.

2 1/4-inch pots.....	\$0.75 per doz.; \$5.00 per 100; \$40.00 per 1000
3 " ".....	1.25 per doz.; 10.00 per 100; 90.00 per 1000
4 " ".....	2.50 per doz.; 20.00 per 100

For a Complete List of all Seasonable Plants, Bulbs and Seeds see our Current Wholesale List

HENRY A. DREER, 714 and 716 Chestnut St., Philadelphia, Pa.

The prices noted above are intended for the trade only.



ANANAS (Variegated Pineapple)

PHOENIX ROEBELENI.

Unquestionably one of the prettiest and most graceful Palms grown, which quickly made a place for itself among the popular standard varieties, particularly so for apartment decorations. We have a splendid stock, and offer:

	Doz.	100
4-inch pots, nicely characterized plants.....	\$6.00	\$50.00
		Each
5 " " 15 inches high, 18 inches spread.....		\$1.00
6 " " 1 1/2 feet " 2 feet "		2.00
8-inch tubs, 2 " " 2 " "		3.00
10 " " 2 to 2 1/2 feet high, 2 1/2 feet spread.....		5.00
10 " " 2 1/2 feet high, 3 feet spread.....		7.50
12 " " 3 " 4 "		10.00

ANANAS SATIVA VARIEGATA.

Variegated Pineapple.

A splendid stock of well colored plants.

4-inch pots.....	\$0.60 each
5 " ".....	1.00 "
6 " ".....	1.50 "

ARAUCARIA EXCELSA.

An immense stock of well grown plants.

4-inch pots, 5 to 6 inches high, 2 tiers.....	\$0.30 each
5 " " 8 to 10 " 3 " .....	.40 "
5 " " 10 to 12 " 3 " .....	.60 "
6 " " 12 to 15 " 3 to 4 " .....	.75 "
6 " " 14 to 16 " 4 "	1.00 "

ARAUCARIA EXCELSA GLAUCA.

6-inch pots, 8 inches high, 2 tiers..... \$0.75 each

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 8 to 10 inches high, 2 tiers.....	\$0.75 each
6 " " 12 " 3 "	1.25 "
7 " " 14 to 16 " 3 "	1.50 "

CROTONS.

A splendid collection of the most attractive varieties for florists' work, well colored plants of good value.

4-inch pots.....	\$4.00 per dozen; \$30.00 per 100
5 " ".....	\$6.00 to \$9.00 per dozen
Larger plants.....	\$1.00 and \$1.50 each

DRACAENA AMABILIS, DRACAENA BAPTISTII, DRACAENA SHEPHERDII, DRACAENA YOUNGII.

2 1/4-inch pots.....	\$2.00 per doz; \$15.00 per 100
3 " ".....	3.50 " 25.00 "
4 " ".....	.50 each
5 " ".....	.75 "
6 " ".....	1.00 "

DRACAENA TERMINALIS.

2 1/4-inch pots.....	\$1.25 per doz; \$10.00 per 100
3 " ".....	2.00 " 15.00 "

ASPLENIUM NIDUS AVIS.

An exceptionally large stock enables us to offer this popular variety at greatly reduced prices.
Splendid healthy 3-inch pots..... \$1.50 per doz; \$10.00 per 100
" " " " 3.50 " 25.00 "

CIBOTIUM SCHIEDEL.

3-inch pots.....	\$3.50 per doz; \$25.00 per 100
6 " ".....	1.50 each
8 " ".....	2.50 "
10-inch tubs.....	\$3.50 to 5.00 "

PTERIS PARKERI.

A valuable decorative fern.	
2 1/4-inch pots.....	\$0.75 per doz; \$5.00 per 100
4 " ".....	2.00 " 15.00 "
6 " ".....	4.50 " 35.00 "

FICUS ELASTICA.

4-inch pots, 8 to 10 inches high..... \$3.50 per doz; \$25.00 per 100

PANDANUS VEITCHII.

A grand lot of well colored 6 inch pots, \$1.00 each.

Miscellaneous Stock

A few items every florist needs. For complete list send for catalog No. 5. Send us your list of wants.

CALADIUM ESCULENTUM—Good bulbs with sound centers: 5 to 7 in. circumference, \$2.00 per 100; 7 to 9 in. circumference, \$3.00 per 100; 9 to 11 in. circumference, \$6.00 per 100.

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Bouvardias

In lifting these tropical plants save all the roots you can and spray five or six times a day for the first week but the need of that will depend largely on the weather. If they have been stopped or pinched within a week or two they will not need any more, but if that has been neglected, then pinch the strong, leading shoots as soon as they are established after lifting. They make roots in the pots or bench quicker when surroundings are warm than when chilly. Bouvardias need very careful lifting. If only one crop of flowers is wanted and always easily had for Christmas, they will do very well in 6-inch pots. But in five inches of soil on a bench at 60 degrees is much the best place for them, for after a good crop of flowers around the holidays they will make a strong growth and you will get flowers again in March and on.

Care of Smilax

Avoid careless watering of smilax, which usually leaves the surface wet, while the under soil remains dry. While smilax likes moisture it will not stand too much of it, yellow leaves and a sickly growth often resulting. An overmoist condition is likely when the beds are prepared on the ground. Water first around the ball until they begin to fill the soil with roots after which the whole bed can be soaked. Do not fail to give them a good syringing on all bright days. Give plenty of ventilation whenever possible. Provide strings just as soon as the plants are willing to climb and do not wait until they become intergrown with one another. When they are growing well give a mulch of well-rotted cow manure.

Chrysanthemums

General work in the houses now is largely routine, staking plants, tying them up, and keeping the beds sweet and free from weeds by a weekly stirring up. It pays to examine the under side of the foliage once in a while. Many a stray brood of caterpillars can be picked up in this way, and one can also see where red spider begins to get in its work. About every two weeks use a sprayer that will get right under the foliage, and wash every leaf on the under side. The top side of the foliage may be perfectly clean while on the under side there may be whole colonies of insects. Frequent and copious spraying will keep the temperature down to a reasonable point and if this is not done the plants suffer very much under torrid conditions. Clean off any suckers that may be showing round the plants, as they help to take away the strength from the flowering shoots.

Geraniums

The last week in August we have found to be a good time to take off the first batch of cuttings, in the garden or field. Three or four joints of the leading shoots make ideal cuttings. Never rob a cutting of all its foliage (as I have seen done), nor leave on too many leaves. The two youngest leaves are enough which will leave two joints without leaves, which should be cut close to the stem and not pulled off. If cuttings are taken early in August, the strong stems you cut back will make a lot of lateral growth which in early September will give an abundance of the very best of cuttings, which with cooler weather will root with ease, and these cut back plants will be in excellent order to lift and put in pots or plant on a bench for winter propagation. After the one good, thorough watering it is not easy to say when water is needed again. It will depend on how much sun they receive and on the weather, but don't water again until they are decidedly dry.

Providing Compost

Nothing impresses me more at the present moment than the great carelessness which many florists display in regard to the supply of soil for next spring and summer's crops. Many a florist gets along fairly well in his own opinion by scraping up a load of mother earth here and there and adding a large quantity of animal manure. So important is it, and so disastrous is neglect that I feel there is no more timely seasonable hint. Prepare a sufficient quantity of good soil and when spring comes, you will bless yourself. Get the top three inches of a pasture, pile it up in layers six inches in thickness and for every six inches of sod spread three inches of fresh cow manure. If that is not to be had, then short stable manure will do. Build the pile of sod with perpendicular walls and a flat top. If this is done within a few weeks, you will be able, before freezing time comes to chop it down and throw it into a long heap, which will thoroughly mix it, and render it fit to use in early spring.

Propagating Ivy Geraniums

Make up some flats with two or three inches of soil, having about an inch of crock and soil on the bottom. After the cuttings are placed in the flats give them a good soaking of water. Keep shaded for a short time. When rooted pot off into small pots using any good compost. They will do all winter in a cool house where they will have lots of light.

Mr. Farrell's next notes will be on the following: Care of Carnations; Feeding Chrysanthemums; Planting French Bells; Schizanthus Wisetonensis; Violets; Ventilating Orchids.

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CONTENTS

Page

COVER ILLUSTRATION—Patrick Welch, President-elect Society of American Florists	
NOTES ON CULTURE OF FLORISTS' STOCK—Bouvardia—Care of Smilax—Chrysanthemums—Geraniums—Providing Compost—Propagating Ivy Geranium— <i>John J. M. Farrell</i>	275
ROSE GROWING UNDER GLASS—Cool Nights—Sulphur—Lime—Syringing Plants—Tying—Shaking the Plants— <i>Arthur C. Ruzicka</i>	277
THE BOSTON CONVENTION—Opening Convention Garden, Illustrated—Opening Session—President's Address—Secretary's Report—Treasurer's Report—Report of Washington Representative—Report of Committee on Rose Gardens—Committee on Wm. R. Smith Memorial—Selection of Meeting Place for 1915—President's Reception—Second Day—Thursday Morning's Session—Election of Officers—Thursday Afternoon's Session—Ladies Society of American Florists—Ladies' Bowling—Ladies Auto Trip—National Association of Gardeners—Florists' Hall Association—American Gladiolus Society—American Rose Society—Florists' Telegraph Delivery Association—Convention Notes.....	278-286
New Yorkers on the Way to Boston.....	288
The Trade Exhibition at Horticultural Hall.....	290
DURING RECESS—Westchester and Fairfield Horticultural Society.....	288
SEED TRADE—Effect of the War on the Seed Trade—Beans, Pea and Corn Crops—Next Canners' Convention.....	294
OF INTEREST TO RETAIL FLORISTS:	
Flowers by Telegraph.....	296
A Store Man's View of the Cut Flower Situation— <i>John C. Gracey</i>	297
Floral Tributes—Illustrations.....	298
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, St. Louis.....	301
OBITUARY—George Dickson, portrait—William H. Diehl—Annie Norman.....	303
CLUBS AND SOCIETIES—St. Louis Florist Club.....	308
MISCELLANEOUS:	
Cincinnati Notes.....	288
Personal.....	290
Washington Notes.....	298
Found at Last— <i>C. S. Harrison</i>	299
Boston Co-operative Flower Market.....	301
Publications Received.....	308

The Boston Convention

Although the Convention activities are still far from their finish at this writing, yet it is not too early to declare the event a great and notable success in every particular. We might say, without fear of much contradiction that it is the crowning success in the history of S. A. F. Conventions but we wish to avoid an appear-

ance of boasting and so will leave that for others not so closely identified with Boston interests to say. The management of the various local receptions and entertainments was exceptionally thorough and every detail went through without obstacle or friction. Much business of importance was transacted by the S. A. F. and the auxiliary bodies, notwithstanding the many outside diversions. It will take some time to assimilate and realize fully the lessons of this significant event in the history of American horticulture and we shall have much more to say on the subject in subsequent issues of HORTICULTURE. For now it is enough to express our gratitude and delight over the coming of such a throng of distinguished men and women to honor Boston by their presence.

Affiliation

At last after these many years of fruitless and seemingly hopeless effort and the encountering of obstacles innumerable, the great riddle of how to establish a union for mutual advantage between the Society of American Florists and Ornamental Horticulturists and the various lesser bodies with kindred purposes seems to be approaching a solution. The moulding of sentiment on all sides has progressed slowly but it is all the better that this is so. Out of the multitude of counsellors wisdom has come and now we see the gratifying result of the gradual evolution in the simple and business-like proposition which has finally received the approval of and been incorporated into the laws of the chartered national society and which, in all probability will be cordially welcomed by the other organizations vitally concerned. The principle of recognition and encouragement of the work and autonomy of the zealous special organizations which owe their incentive and example to the S. A. F. as a parent now takes its place as a fundamental principle of the interrelation of these useful bodies and brings to all concerned the benefits of a moral alliance, the value of which, time will quickly prove.

In the flower of youth

One of the most hopeful signs in the career and circumstances of any organization is a good representation of young men in its active ranks. Nobody with this thought in mind could fail to be deeply impressed by the very large proportion of young men, many just coming into manhood proudly wearing the membership button of the old but ever young S. A. F. A full share of these were from remote localities, in many cases accompanying their elders who have been good earnest workers in the organization for years. A sprinkling of grey heads through an audience is a sign of stability and dignity not to be lightly esteemed but when a society runs too strongly to maturity in this respect it is a most ominous presage of decline. The young blood is what we must have if we are to progress and maintain prestige and it is a happy augury for horticulture in America that its leading organized exponent is so well equipped in this respect. We feel sure, too, that the welfare of the good old Society, so jealously guarded and promoted by the pioneers, will be in safe hands when the virile youth of the profession as seen in Boston come to seriously take up its burdens and responsibilities.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Cool Nights

Towards the end of August the cool nights generally begin, and it is advisable to have everything in readiness to start the fires in the steam boilers on a minute's notice. It would be a poor policy indeed to shut the houses down tight to save a little coal, and if this was done the results might prove ruinous. Have the boilers all overhauled, and plenty of wood on hand so that it will not take long to get the steam up to pressure. The houses should never be allowed to drop below 64 deg. F. at night, for in spite of the cool nights the day temperature will run up over 80 with the vents up full. As long as this continues, 64 at night with plenty of air will be right. All boilers should have a graduating valve on them, so that when the steam runs up on the boiler, there will be only so much pressure on the pipes and no more. This you will find will prove very helpful in regulating the temperature for even with the best of care the steam will go up and down in the boiler. A pipe with eight pounds of steam in it will be about right now, and will also give heat enough. If the pressure is increased to forty or more, then the pipe is too hot, and the heat too intense to serve the purpose well. Where the above mentioned valve is used, the pressure on the pipes can be regulated to so many pounds and there will be no more on the pipes than the amount needs, no matter how much pressure there is in the boiler.

Sulphur

As soon as the steam is used a little sulphur can be painted on the pipes here and there; say, every ten feet paint about three foot of pipe with a thin mixture made of sulphur and water, with a little lime added. One pipe in a house twenty feet wide will be plenty for a little dose, and with the wide houses use pipes in proportion. There does not have to be any mildew in sight, but it will prove beneficial to the plants even though there is none. There should not be over eight pounds pressure in the pipes at the time the sulphur is applied, or it will be likely to evaporate too rapidly, and make the fumes in the houses too strong for the plants.

Lime

It is very important now to use a little air-slacked lime all through the houses after each watering or syringing. It should be perfectly dry, and should be blown around with a pair of bellows. There is a little trick in doing this, and it should be borne in mind when the work is being done. The object of the lime, or rather the lime dust, is to take out whatever moisture may linger around the bottom leaves at night. Lime absorbs water from the air more readily than anything that we know of, and if all the dampness is taken out from around the base of the plants, there will be little danger of the moisture condensing there and inviting blackspot to start in. Now in blowing the lime underneath the plants, make sure that too much strength is not used in handling the bellows, as that would send most of the dust right across the bench, and into the walk on the opposite side. This would do the plants very little good, and

that is why the dust should be blown only hard enough to get in under and then it will rise slowly among the plants, as the air carries it, and will accomplish what it was intended to do.

Syringing Plants

Syringing will be very important now, and growers should lose no opportunity to syringe all their rose plants. As fall advances the days will grow shorter and there will be streaks of dark weather when it will be unsafe to syringe. It is therefore advisable to make most of everything now, and have the plants as free from spider as it is possible to get them. Watch out for all the corners of the benches, around the braces, and so on. Here is where they generally start. When tying or doing anything around the plants, mark all spots where traces of spider can be found, by tying a piece of cardboard to the wire or stake right on the spot, and then when the syringing is done these places can be syringed with extra care, and the pests cleaned out.

Tying

This should receive all the care and thoroughness with which all tying should be done, for it is one of the important factors that figure in success. In tying Beauties or other roses to wires, see that the plants are well distributed, and that there are no places where the growth is bunched together or the plants mistreated otherwise. With stakes, this means the same. We would hardly call tying, a job where a string is run all around the plants and tied in one knot, holding all that there is to the plant grouped in a bunch right around the stake. This method will kill the leaves quicker than anything that we know of, and should never be employed. It takes a little more time to tie all the leading shoots separately each one by itself, but the extra labor is more than repaid by the saving of the plant's vitality, a considerable amount of which would otherwise be lost. It is not nice, or good for the plants to be allowed to lie all over, after they are well established, but they should never be bunched in tying. Tie them securely, but at the same time loosely so as to give them all the chance they are entitled to, to grow. Needless to say when tying to wires the string should be run about the wire once or twice before the shoot is tied fast. This will keep the shoots from sliding all around when they are being syringed.

Shaking the Plants

From now on it will be advisable to shake the plants well right after each syringing so that they will be sure to get dry before the night comes. Do not wait until all the houses are syringed before this is started, but have a boy start as soon as one house is done, or in the wide houses, as soon as the man with the hose gets a safe distance away, so that no water will come back on the shook plants. The plants in the back rows will need this more than the plants in the front rows, and should be done first and shook better. Needless to say the plants should not be broken with the shaking, but they should be shook firmly but gently as well.

THE BOSTON CONVENTION

A Splendid Turn-out of Professional Horticulturists of All Classes from Every Section of the Country. The Convention Garden one of the Prime Attractions. A Notable Trade Display in Mechanics Building. Inspiring Meetings and Brilliant Social Features. Entertainment and Sight Seeing Unlimited. Superb Floral Exhibition at Horticultural Hall. San Francisco Selected for 1915 Convention.

Officers Elected—President, Patrick Welch, Boston, Mass.—Vice-President, Daniel MacRorie, San Francisco, Cal.—Secretary, John Young, New York, N. Y.—Treasurer, William F. Kasting, Buffalo, N. Y.

We believe that all who were present will agree with us that the Boston Convention of the Society of American Florists was fully up to all that had been promised and all that had been expected of it. In every respect it was a splendid success and in some respects exceptional as compared with any and all of its predecessors. An unusual number of old-time prominent workers in the ranks of the Society, men whose names are familiar from the Atlantic to the Pacific were in attendance but perhaps the most manifest indication of the present virility of this big organization was shown in the great preponderance of young men and this held equally good as to the representatives from every section.

With the exception of a few "early birds," and those interested in the installing of displays in the exhibition building who arrived a few days in advance the first important party reached "the Hub" on schedule time Monday morning by steamer from Baltimore and Norfolk. This was the excursion party which Mr. Vincent, of White Marsh, Md., had been so enthusiastically working up for some time and it included about sixty from Baltimore, Washington and Pittsburgh. A local committee headed by A. P. Calder met the visitors and took charge of them for the day, a visit to historic Lexington and Concord and other places of interest in the northern suburbs of Boston. Monday afternoon and evening brought parties in increasing numbers by train and the exhibition hall and hotel corridors rapidly filled up with old friends and new extending greetings and getting their bearings generally. Tuesday morning brought the larger part of the visitors. The party by the all-water route from

New York numbered over one hundred and fifty. Nearly every state in the Union was represented—from Maine to California inclusive, as well as various parts of Canada.

OPENING CONVENTION GARDEN.

The opening gun of the Convention was fired when, at 11 A. M. Tuesday, a large concourse wended their way to the Convention Garden in the Fenway and listened to the addresses with which this big undertaking was formally opened. It was a most inspiring occasion and full of impressive suggestion as to the broadening scope and future greatness of the S. A. F. on lines scarcely indicated in the past.

James B. Shea, Deputy Park Commissioner of Boston, as Chairman of the Convention Garden Committee, presided over the exercises at the opening of the garden at noon on Tuesday. A rustic pergola had been erected, over which the emblem of Boston was unfurled. The platform was decorated with urns filled with ivy geraniums. There was a large concourse of people. In introducing Mayor Curley he said:

I am not going to recount the trials and tribulations which our committee encountered in formulating this garden. We have had, however, the active support and co-operation of the Mayor and the city government, and have had also the active help of the committee upon which I have had the honor to serve. I know that it has been the desire of everyone to have the one who is most responsible for this garden to give it an official opening, therefore, I ask His Honor to give it his sanction.

Mayor Curley said: Mr. Chairman, Ladies and Gentlemen: It is with exceeding pleasure that I welcome to

Boston this morning the Society of American Florists and Ornamental Horticulturists, and as the chief executive of this old, beautiful and historical city, I want to express to them the sincere thanks of the people of Boston for this magnificent and beautiful flowering garden, their handiwork, which I trust public sentiment will insist shall be perpetuated as a public park for all time for the City of Boston. (Applause.) I question if a more ideal location could be selected for a garden of this character, the natural surroundings, the beautiful buildings, typifying an interest in the city's welfare and an interest in the people of the city, typical of that spirit of benevolence that has ever characterized genuine Bostonians and that has made the word Boston a word to be conjured with in every great crisis in the history of the American people. It is my sincere hope that this park opened today through the public spiritedness of the Society of American Florists, will become a permanent institution of the city of Boston, a monument for all time to the generous public spirit, to the foresight of the men who constitute the membership of the Society of American Florists.

Mr. Shea next presented Chairman J. H. Dillon of the Park and Recreation Department, who most eloquently supplemented the sentiments expressed by the mayor. His remark "I want to say that I believe there is more honor due the man who plants a tree and grows it for posterity than to the millionaire who erects a marble palace" drew forth long continued applause.

President Wirth, being called upon extended hearty thanks to the city, the mayor and officials and the committee on behalf of the Society of American Florists.

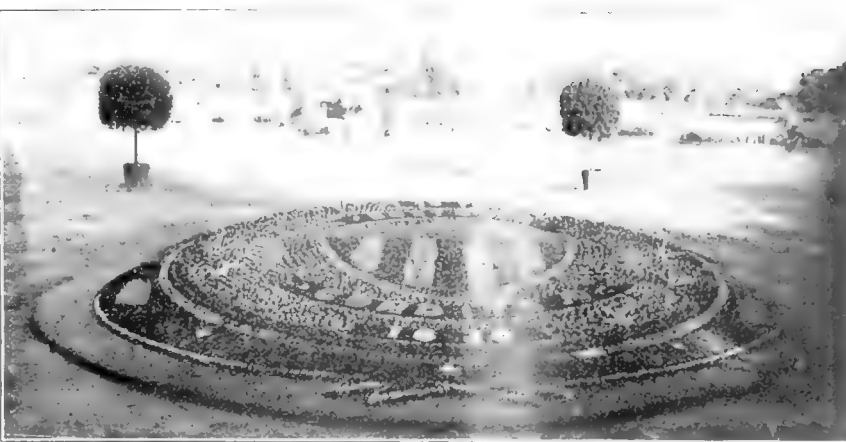
After the dedicatory exercises Mayor Curley and the park officials greeted the local Convention committee chairmen and a number of other invited guests at an informal luncheon at the Parker House. J. J. Cassidy presided. Mayor Curley aroused great applause by stating that he had the assurance of a sum of at least \$50,000 from public-spirited citizens to be devoted to further beautifying that section of Boston where the Convention Garden is located, the initiative for which had been the Society of American Florists' Convention Garden example. Among the other speakers was Judge C. W. Hoitt of Nashua, N. H., who eloquently voiced the sentiments of the horticultural people against any disposal of Boston's Public Garden for business purposes. Addresses were also made by President Wirth, Chairman Dillon of the Park Commission, John Minton, Park Commissioner Charles Gibson and W. F. Kasting.

OPENING SESSION.

The opening session, scheduled for 2 P. M., Tuesday, August 18, was rather late in getting under way but, once started was a well attended and interesting meeting. On the platform, besides the Mayor of Boston, President Wirth, Vice-President Welch, Secretary Young and Treasurer Kasting were seated Ex-Presidents Hill, O'Mara, Kasting, Stewart, Norton, Gude, Vincent, Asmus, Traendly, Pierson and Farquhar, also Messrs. Peterson, Hess and Totty of the Executive Board, Park Commissioner John H. Dillon and J. J. Cassidy.

The convention was called to order by Vice-President Welch, who was given an ovation, three cheers and a tiger. He said: As vice-president of this organization and as chairman of the Boston Committee, I have the honor, and I assure you it is a great pleasure, to welcome you to Boston, the Athens of America and the "Hub of the Universe," as it is sometimes called.

Boston is the greatest convention city in the world. I say that not because we Bostonians alone think so, but because from January 1st to December 31st of every year, almost every day some great convention, such as ours, is holding its deliberations within our walls, and after a lapse of



INDIVIDUAL EXHIBITS IN CONVENTION GARDEN.

Formal Bedding by City of Boston.

a few years we find them returning once more to Boston, as you have returned after twenty-four years of absence.

Boston, as you know, was founded in 1630, ten years after the landing of the Pilgrims at Plymouth, and its narrow streets in the business section remind one very much of some of the cities of the Old World. Boston is noted for its magnificent park system and its suburbs are the finest in the world. Right in the centre of the city is a Common of 84 acres and a Public Garden of 22 acres, which was cultivated as a flower garden as early as 1837. They are the breathing places and the beauty spots of the city of Boston, and I can assure you that you all should visit them both to appreciate the forethought and generosity of the people of this great city even in the early days.

Fruit and flowers were cultivated in Plymouth Colony even from the beginning, and apple orchards, gardens and farms were plentiful in Boston until the progress of the times drove them further into the country. Many fine business blocks of today were formerly farms and gardens of our forefathers, so that horticulture has always been encouraged here, but it has especially flourished since the foundation of our Massachusetts Horticultural Society in 1829.

Boston is always willing to learn

however, and I assure you that we feel that this great gathering of horticulturists and florists, representing as they do the best brains of our profession, will develop many an idea which will be for the future benefit of the city.

The Boston Committee has worked early and late, and we hope successfully, to make this convention the greatest ever held by our society; nor have they neglected the entertainment of our guests, for we have felt that all work and no play would hardly suit the members of this Society and their friends.

The city of Boston always recognizes the importance of officially receiving its guests; and today, Ladies and Gentlemen, we have with us as Chief Magistrate of the City, a young man who during fifteen years past has served the city both as a member of the City Council, as a member of the State Legislature, as a member of Congress, and finally now as Mayor of our city. His career has always been marked by his statesmanlike sagacity and manly integrity. His talents and ability have ever been directed and devoted to his constituents and the people of Boston. The members of this Society owe him much for his kindness and generosity and the great interest he has taken in our Convention Garden in the Back Bay Fens. It now gives me great pleasure to present to you the Mayor of Boston, James M. Curley.

Hon. James M. Curley, Mayor, now addressed the Convention and was received with great applause, the assembly rising in his honor.

He spoke as follows:

Mr. President, Ladies and Gentlemen, I am exceedingly grateful to the Chairman for his very cordial and kindly introduction, and am also deeply grateful to you for your splendid reception here this afternoon. It has been a very great pleasure and privilege for me today to enjoy the opportunity of spending the greater portion of the day with the delegates visiting our beloved City of Boston. Many of you I have met personally, and some it has been my pleasure to know for a considerable length of time; and regardless of what portion of the United States you may come from, we welcome you here today in the name of Boston, as American citizens interest-



INDIVIDUAL EXHIBITS IN CONVENTION GARDEN.

Formal Planting at Entrance to Farquhar Garden.

ed in all that goes to make America a better and a more beautiful place in which to live. (Applause.) I have enjoyed for many years the friendship of the Chairman of our Boston Park Commission. He has arrived at the responsible position of Chairman of the Park Commission from an ordinary gardener in the employ of the Park Department to the responsible head of a system the annual expenditures of which exceed one million dollars, thus exemplifying how scrupulously the American people adhere to those principles that made Boston possible and made possible as well the liberty of the American people—among these principles being that of absolute equality of opportunity; and it is in that spirit of friendship, of brotherhood and of equality that I offer the welcome of Boston to you ladies and gentlemen assembled here today.

Boston is truly grateful for the members of this splendid organization, for its contribution of brains, of energy, of effort and of labor as illustrated in the Convention Garden, which I sincerely trust will continue as a permanent institution of Boston. Every American who has not had the pleasure of a visit to Boston looks forward eagerly to the time when he may come here and revel in the history and traditions of the early times which are more in evidence and more strongly characterized in Boston than any other city in America. Every American citizen looks forward to the time when he may come and see Faneuil Hall, when he may visit the Old South Church, the Old North Church; when he may look upon the scene of the Boston Massacre, where was shed the first blood in that fateful struggle that made possible the liberties of the American people and strengthened the arm of struggling humanity in its desire to achieve liberty and equality in every portion of the entire world. (Applause.) Now when the citizens of this great country come to Boston and visit Harvard University in Cambridge adjoining Boston; when the cultured and the educated come here to inspect our educational and our historic institutions, we want the pleasure, the privilege and the opportunity of showing them this Convention Garden, and we want it to be the finest and most beautiful spot of its kind in the entire world. We aim to make it such. (Applause.)

If there is anything that Boston prides itself upon it is its sense of honor, its desire and determination to keep its word with the rest of the country; and as its Chief Executive I give you my word today that with your assistance, with your advice, with your encouragement, with your ideas and in pursuance with your ideals, we will labor to make Convention Garden a permanent institution that one day, let us hope in our time, will excel in beauty and excellence the Champs d'Elysees of Paris, or any other garden spot in the entire world.

We are pleased to have you with us, but appreciating that the business of your convention will exact much of your time, I will simply say in conclusion that I trust your stay in Boston will ever remain as pleasant a memory to you as your visit here is a benediction to the oldest and the best city in the United States. (Applause.)

In introducing Past President Frank

R. Pierson to reply to the Mayor, Vice-President Welch said:

The distinguished member selected to reply to the very hospitable and cordial welcome extended by His Honor the Mayor, needs no introduction at my hands. You have known him in the past as a leader, untiring, able and efficient, qualities which he still exemplifies.

Past President Pierson, responding to the Mayor, said:

I wish that someone might have been selected for this pleasant duty who possessed greater ability as an orator than your humble servant, who is only a worker in the ranks, but who would ask that whatever he lacks in oratorical ability may be pardoned in return for his sincere feeling of grateful appreciation of the pleasing reception to the Society of American Florists by His Honor the Mayor.

I wish to thank you, Mr. Mayor, for your cordial welcome to your beautiful city. A year ago, when we were invited to hold our 30th Annual Convention in Boston, we were told that we would honor your city by accepting your invitation. I think, Sir, that we are the ones most honored by the invitation to be your guests on this occasion. And this is not our first visit to Boston; it is the third time in the history of our Society that we have been your guests, so that we well know the genuine warmth of a Boston welcome.

After an appreciative reference to the splendid occasion of the National Flower Show in Boston, the great work done by the Massachusetts Horticultural Society, the magnificent park systems surrounding Boston, the historic Boston Common and Public Garden, Mr. Pierson said: What we are intimately connected with at this particular time is your Convention Garden. Boston is to be congratulated on having a Mayor as alive as is your present Mayor to the welfare of the city and to the importance of its conservation through its magnificent park system in which he has given ample evidence that he is deeply interested. I was delighted this morning to hear him say that this Convention Garden would become a permanent institution of Boston, and I am sure that such an expression from him is equivalent to a guarantee of fulfillment. I want to say that the Society of American Florists is deeply indebted to Mayor Curley for the interest and the valuable assistance that he has felt and rendered this unique institution, our Convention Garden.

In conclusion, Mr. Mayor, I wish to thank you again for your most gracious welcome from the City of Boston, and, through you I wish to thank also the different horticultural associations—the Massachusetts Horticultural Society, the Gardeners' and Florists' Club of Boston, the Horticultural Club of Boston, and other allied horticultural interests, all of which have united in providing so lavishly for our entertainment. (Applause.)

Vice-President Welch in relinquishing the chair and turning the conduct of the regular business of the convention over to President Wirth, said:

Now, Ladies and Gentlemen, my duty as temporary chairman of this convention ceases, and I will surrender the chair to your President, a gen-

tleman who has done great missionary work for the advancement of horticulture in the section of the country where he resides; and this work he has done with a devotion and loyalty that is particularly notable and deserving of the highest commendation—your President, Mr. Theodore Wirth.

President Wirth now took the chair, and delivered his address, which follows in full:

PRESIDENT'S ADDRESS.

Ladies and Gentlemen, Members of the Society of American Florists and Ornamental Horticulturists:

Ever since you paid me the great honor of electing me to the highest office within your gift, I have anticipated this hour, not so much to harvest the honors and privileges extended to your presiding officer, as for the opportunity to express to you my deep-felt gratitude and appreciation for your kindness and good-will towards me. My home city, Minneapolis, also bids me to extend to you again its thanks for your last year's visit. The benefits of your coming to our city have been manifold to our people, and the lessons taught us through your Convention Garden have taken root and will bear fruit forever after.

Our Conventions.

I hope that your visit to the country west of the Mississippi river the second time in the history of the society, has convinced those who attended the last Convention that the great western country is well worthy of your going again. I also hope that the favorable reports about last year's Convention will convince those who did not attend that it was no mistake to go so far west,—really, the west only begins where we met last year—and if as a national society we want nation-wide recognition and progress, we must go west once in a while for the two-fold purpose of, first, to help advance the possibilities of horticultural development; and second, to share in the benefits of such development.

From the society's financial point of view, last year's venture can also be considered a success. The three highest returns to our treasury from our conventions have been—from the Convention of 1912 held in Chicago—\$3251.88, from the Convention of 1913 held in Minneapolis—\$2522.40, and from the Convention of 1911 held in Baltimore—\$2258.19. The highest gain, however, that the Society made in going west, was in the interest it created amongst our craft, and the information it gave to those who attended from the east, about our western country. Let us extend our pilgrimages to all parts of the country and become a national society from a national as well as a professional point of view.

The Past Year.

The twelve months passed since we last met have been busy ones for those entrusted with the affairs of our organization. At the Board of Directors' meeting, held here last March, every member was present, and the many important questions pertaining to the welfare and healthful growth of the Society and the many interests which it represents, were very carefully considered and conscientiously acted upon. Your standing committee have also

been faithful to their trusts and duties, as their reports will reveal to you.

Our Flower Shows.

I most earnestly believe that one of the most helpful agents in the advancement of our profession and the development of our interests is our flower shows. The great successful New York flower show of last March, held by the horticultural interests of that city, was made possible through the national flower shows held previously in Chicago, Boston and New York. We have no better means of getting next to and educating the public, our customers, to our aims, means and powers, than through such demonstrations of our skill and achievements. Those shows are the best possible advertisement of our business, and the competition and rivalry of professional skill stimulated through them is our most efficient educator and teacher. Therefore, I say, let us all support our flower shows of national and local character, to the best of our ability.

Mr. George Asmus, Chairman of the National Flower Show Committee, reports very promising prospects for the next national flower show to be held in Philadelphia in the spring of 1916, and I wish to extend to him and his co-workers the Society's thanks for their faithful and successful work, and congratulations for the progress already achieved.

School Gardens.

It is eminently proper that we should try to exercise some influence outside of our professional boundaries, or in other words, spread the gospel of gardening amongst laymen and their people. Mr. Benjamin Hammond is chairman of our School Garden Committee, and as such, has tried to reach every city and village where there is a florist, in his efforts to create and stimulate an interest in school and home gardening. If but a small number of his appeals find a responsive chord, much will have been accomplished through his efforts and activity. Mr. Hammond's enthusiasm induces me to express the wish and hope that a goodly portion of the essence of his teaching will be absorbed with profit by members of the Society under whose banner he is making his laudable campaign.



INDIVIDUAL EXHIBITS IN CONVENTION GARDEN.

Coleus Bed by A. M. Davenport.

Gardening, under one name or another, above all, means order and cleanliness, and I have often wondered why it is that so many of our commercial establishments are such striking examples of disorder, neglect and ugliness, in place of order, neatness and attractiveness. I have seen some excellent examples of well-kept, attractive commercial horticultural establishments in the vicinity of our Convention City of today, and I hope that they will bring home, to some of these in need of this reminder, the truthfulness of the saying, that "we might with profit practice ourselves what we try to teach."

Tariff and Legislation.

As I am not engaged in the commercial business of our trade, I believe you will forgive me if I admit the fact that I have given no special attention to this part of my official duties. I feel that my appointees to that important committee are able, and have taken good care of the interests entrusted to their care. Our Society never had a more efficient and faithful officer as chairman of any committee, of whom we could say with such propriety that he is the right man in the right place.

as is our friend, William F. Gude, Chairman of the Tariff and Legislation Committee and our Representative in Washington, D. C., his home town. I venture to say that he has, at all times, made all the hay he could for us while the sun was shining, and that every bit of it is under a waterproof roof.

The William R. Smith Memorial.

We should indeed do our best to erect an appropriate memorial to our beloved departed leader and friend, William Robertson Smith, to whose efforts alone is due our possession of a national charter, the only one ever granted by the United States Congress to any similar organization.

Mr. W. F. Gude, Chairman, reports that his committee is most favorably inclined to recommend that this memorial shall be in the form of a Horticultural School or Garden conducted along more practical lines than most existing institutions of similar character have so far followed. To assist in such a plan of practical education, which would surely have met with the approval of him whom we wish to honor, would indeed be the most appropriate form of tribute we could give to him and his memory.

Every horticulturist, professional and amateur, employer and employee, should willingly and readily contribute his mite towards such a worthy object. It behooves our organization to take the lead in this movement, and through united action we shall earn and receive the moral and financial support of the National Government. Many progressive and influential men outside of our profession and from all parts of the country, who are also great admirers of the man whose memory we wish to perpetuate, will gladly aid us. We cannot expect to carry out so large and far-reaching an undertaking through our own resources alone, but we not only can but must take a leading part in its launching as well as in its development. For this work we should prepare ourselves and I venture to make the following suggestions: First—That the W. R. Smith Memorial Committee be made a per-



INDIVIDUAL EXHIBITS IN CONVENTION GARDEN.

Bed of Hyacinthus candicans by A. T. Boddington.

manent standing committee, similar in appointment, service and number to the National Flower Show Committee. Second—That this committee be instructed, not only to further the financial and other interests pertaining to the creation of a memorial as outlined, but that it also formulate for its own guidance a plan of work by which it would become an acceptable advisory board to the authorities under which the W. R. Smith Memorial Garden or School of Practical Horticulture would eventually be conducted. Third—That the committee be requested to consider and report to the Society within reasonable time the possibility and advisability of creating a professorship, to begin with, at some leading horticultural school, to be endowed by our Society, whose purpose would be to inaugurate the practical methods and means of teaching we desire to have adopted at the proposed Memorial School.

That we shall get the moral and active support of our National Government in this or any other worthy undertaking, if we go about it in a right, business-like, progressive manner, I feel doubly assured by the ready assistance given us for the Rose Test Garden now established on Government land at Arlington Farms.

Our Advisory Officers From Our Different State Colleges.

I wish it distinctly understood that my suggestions in connection with the proposed W. R. Smith School are not intended to cast the least reflection upon the efficiency of any one of the many excellent state colleges which have rendered us in the past service of inestimable value in many directions. Besides the services rendered through their regular courses of study of horticulture and its branches, they have always given us willing, efficient help through the holders of our official positions of botanist, entomologist and plant pathologist. I wish to call your special attention to the suggestions offered in the communication of Professor W. E. Freeman, Plant Pathologist of the University of Minnesota. His suggestions, in the main, embody the idea that we ought to inaugurate a policy of permanent constructive work in our scientific researches entrusted to those officers. I believe he is absolutely right. This work could eventually be entrusted to the staff of the proposed W. R. Smith School, which would in itself be an assurance of the carrying out of the policies suggested by Professor Freeman.

Our Convention Gardens.

I can truthfully say that in all my professional life I have never experienced more pleasure and satisfaction than in the success of our Convention Gardens. The willing, enthusiastic and efficient work of our Boston friends, and the support given by the progressive exhibitors represented in the outdoor plant exhibit at the last and this year's Convention conclusively prove to me that I am not mistaken in placing the value of those gardens as secondary only to that of our flower shows.

Our trade exhibits are most valuable and are, to a great extent the main stay of our conventions, but I have always felt that they are a trade ex-

hibit pure and simple, interesting and instructive only to the trade itself. They show us all progress made from year to year in everything we need in our business in all its many details. Our aims, however, should go farther. We must show ourselves and the public as well, what we have achieved, and we must educate the latter through such appropriate exhibitions to make use of our labors, our knowledge and our experience to improve, beautify and better the home surroundings. We must show them how it can be done. Our mission must be to help them, and we cannot help them without helping ourselves.

I sincerely hope that the Convention Garden will become a permanent feature of our conventions, and since it is, as I believe it is, the adopted policy of our Society to select its convention cities from its own point of view of possible advancement and benefit and not from one of offered entertainment and outside attractions, I trust that the possibilities offered by cities for such a Convention Garden will always be a strong factor in deciding where the convention shall be held. I believe that the present method of financing this undertaking will, in most instances, be the most feasible one, and that under all circumstances the Society should assume full responsibility and control of it, financially and otherwise.

Affiliation.

I have studiously gone through the messages of my predecessors of the last twelve years and find that this problem has been in the mind of most of them in one form or another. My personal belief is that the different kindred associations, organized for the advancement of the specialized branches of our profession to which they are devoted, are better able to tend to those interests than any appointed committee of the National Society possibly could be.

Your Board of Directors has given this important question very careful consideration and I believe that the plan submitted through the suggested amendments to our constitution and by-laws represents the best solution of this long pending question, at least for the present. I sincerely hope that the great majority will approve the plan as presented and that the recommendation of the Board of Directors be adopted.

The main object of affiliation at this time is to establish such relative and representative connections between the National Society, kindred associations and clubs as will afford united action on questions of general importance, and this I believe the proposed amendments would bring about.

L'Union Horticole Professionnelle Internationale.

Through Mr. Leonard Barron our attention has been called to the International Association of Professional Horticulturists of Europe, organized for the purpose of protecting the interests of commercial horticulture involved in questions of tariff and other legislation, and registering and nomenclature of plants, and all other matters pertaining to the advancement and protection of all branches of Horticulture.

Your Board of Directors recommends that the S. A. F. & O. H., apply for membership in this organization, the expense of which membership at the time of consideration being \$10.00 per year, but which fee will eventually be increased. The Board feels that the Union is worthy and entitled to our support and that sooner or later we might derive benefit from such association. Each association member of the union is entitled to be represented by two delegates, and it is proposed that the S. A. F. & O. H., be represented by proxy or by such members of our Society as may be in Europe at the time the Union meets in congress, which would entail very little expense, if any, on our Society. I trust that the recommendation of the Board of Directors will meet with your approval.

State Vice-Presidents.

Some of the vice-presidents have made use of the financial aid granted them through a small appropriation to defray the expenses of a campaign in behalf of the Society. I hope that the results will prove satisfactory.

I wish to repeat Ex-President Farquhar's excellent suggestion, that our vice-presidents will be able to exercise the greatest influence by calling meetings in their respective territories and by addressing such gatherings in behalf of our Society on general topics tending to advance our aims and interests.

Our Finances.

Financially, our Society is in a flourishing condition, and under the watchful and experienced guidance of our most efficient treasurer, Mr. William F. Kasting, our treasury will grow in proportion to our numerical strength and progressive policies. We must not, however, let our prosperity lead us into untimely or, from a financial standpoint, premature undertakings which will infringe on our capital or overtax our income. We should build up our treasury, which is our working fund, and keep it intact so that eventually the income from the capital will suffice to finance our undertakings.

The Name of Our Society.

Our first president, to whom all who have known him well refer with love, profound respect and admiration, was a gardener, and as I am also a gardener I feel greatly honored and am exceedingly proud of the distinction conferred upon me in calling me to the same office which he so ably filled for the first three years of this Society's existence. Since you have shown me this confidence and your good will and friendship in such a marked degree, I am led to believe that you will bear with me if I make a suggestion which I fear will not meet with general favor, but which I know will find a responsive echo in the minds and hearts of many of our most progressive and liberal-minded members, and which I believe will sooner or later be most seriously considered and finally adopted.

Agriculture, in its broad translation, means the cultivation of the ground for the purpose of raising food for man and beast. Horticulture stands for the cultivation of a garden with three main

divisions, namely, fruit, flowers and vegetables. Every florist, worthy of the name, is a horticulturist, but every horticulturist is not a florist.

Considering the broadened interests and aims of our Society of today, and the liberal, progressive policies which it is bound to follow in the carrying out of the very plans which at the present time are its principal aims and tendencies, I am of the opinion that the present name of our society is a misnomer because we really are "The American Society of Professional Horticulturists." Ex-President Stewart, in his message of 1907, quoted Andrew Jackson Downing, who said, "Horticulture is the refined essence of agriculture, agriculture being the basis of all wealth." Brothers of our noble calling, why not make all followers of our profession feel welcome to our ranks and within them by calling ourselves what we are—Horticulturists? I hope to live to see this come about.

The Spirit of Our Convention Workers.

Wherever we go to hold our annual meetings, we meet the real workers, and Boston is not only no exception, but a notable example of what hard work and efficiency, together with harmony and unity of purpose can accomplish. Long before we leave Boston we shall all realize what our friends here have done for us for a successful Convention and for our comfort and our pleasure. We will not wait another twenty-four years before we return to "The Hub" at the foot of Bunker Hill.

In conclusion, I wish to thank my fellow officers, the Board of Directors, and the Boston workers of this Convention, for their splendid work and co-operation. The assistance given me by our Secretary, Mr. John Young, made my labors a pleasure and not a burden, and I wish to say that it would be poor business policy to dispense with the services of our present secretary and our treasurer as long as we can induce them to accept and retain their respective offices.

On motion of Past-President George Asmus, a committee of five was authorized to consider various recommendations in the president's address and report at tomorrow's session. President Wirth announced the committee a little later on in the session, viz: George Asmus, J. J. Hess, F. R. Pierson, C. E. Critchell and Adolph Farenwald.

Secretary Young read the minutes of the Executive Board, which on motion were received and made part of the record.

Secretary Young also read his financial report for the year ending December 31, 1913, and also supplemental financial report, January 1, 1914 to August 1, 1914.

SECRETARY'S REPORT.

Membership.

A general increase in the membership may be reported. The maximum membership is 2004. By this is meant the inclusion of all members who have, at the time of making this report, qualified for 1914, and those who have not resigned but have been continued on the membership roll through expectation that they will make good their obligations. In this connection I

might state that the delinquents' list is highly satisfactory in point of quality. Our life membership also shows a gratifying addition to the roll of life members. With the members in good standing, and those whose dues are accounted collectible, our total membership may be considered as 2004, of which 357 are life members and 26 pioneers, exempt from dues.

From these figures, it will be seen that our society is advancing in membership and that it is becoming more and more the representative body of the trade. It must be understood, however, that these figures are available only several days before the Convention opens. As is usual, a considerable increase in the list of new members will no doubt be observable at the Convention.

The Exhibition.

It is unfortunate that early August found our plans greatly affected through the European war, now raging. Our exhibition has suffered greatly, in that many of our exhibitors have found it necessary to cancel or reduce orders for exhibition space. Particularly has this curtailment been felt in the florists' supply department, where samples of goods ordered for the season are exhibited, goods which are produced mainly in Europe and whose delivery none of us can guarantee.

Many of our exhibitors of bulbs, too, are affected, and the improbability of the arrival of much stock ordered for distribution is reflected in the scarcity of exhibits in some of our usually well filled departments.

The following have sent in one or more names for membership since the last convention.

S. J. Goddard, 4; Florists' Telegraph Delivery, 15; E. Danker, 1; Mr. Farquhar, 1; T. B. DeForest, 1; Theo. Wirth, 4; J. J. Hess, 7; W. F. Gude, 1; A. M. Terrill, 1; P. Welch, 25; E. T. Mische, 2; H. F. Grove, 2; Geo. Morrison, 1; W. R. Nicholson, 50; P. J. Windler, 3; F. Hahman, 3; J. Mieson, 1; C. L. Baum, 1; G. E. Buxton, 1; S. A. Anderson, 3; J. F. Huss, 2.

We Have Lost Through Death

W. A. Daggett, Feb. 9, 1914; Albert Dirwanger, Nov. 3, 1913; W. H. Grimes, Oct. 5, 1913; Geo. A. Heintz, Nov. 5, 1913; Ernst W. Mack, March 13, 1914; C. M. Newman, March 13, 1914; G. R. Oliver, Sept. 25, 1913; Geo. P. Whitmore, Feb. 25, 1913; Geo. M. Garland, June 12, 1914; Thos. Mansfield, July 24, 1914.

Plant Registration.

The following plants have been registered:

No. 584, Oct. 7, 1913. Fern, Pteris Kinkii, by Henry Krinke & Son, St. Paul, Minn.
No. 585, Oct. 15, 1913. Canna, Jessica, by R. Vincent, Jr. & Sons Co., White Marsh, Md.
No. 586, Oct. 15, 1913. Canna, Benivoila, by R. Vincent, Jr. & Sons Co., White Marsh, Md.
No. 587, Oct. 15, 1913. Canna, Horatio, by R. Vincent, Jr. & Sons Co., White Marsh, Md.
No. 588, Oct. 15, 1913. Canna, LaFou, by R. Vincent, Jr. & Sons Co., White Marsh, Md.
No. 589, Oct. 15, 1913. Canna, Gonzabo, by R. Vincent, Jr. & Sons Co., White Marsh, Md.
No. 590, Oct. 15, 1913. Canna, Mercutio, by R. Vincent, Jr. & Sons Co., White Marsh, Md.
No. 591, Oct. 27, 1913. Canna, Mrs. Woodrow Wilson, by Conard & Jones Co., West Grove, Pa.
No. 592, Oct. 27, 1913. Canna, Golden Gate, by Conard & Jones Co., West Grove, Pa.

No. 593, Oct. 27, 1913. Canna, Wintzer's, by Conard & Jones Co., West Grove, Pa.
No. 594, Oct. 27, 1913. Canna, Lady Adams, by Conard & Jones Co., West Grove, Pa.
No. 595, Oct. 27, 1913. Canna, San Diego, by Conard & Jones Co., West Grove, Pa.
No. 596, Nov. 1, 1913. Rose Indica, by The Montgomery Co., Inc., Hadley, Mass.
No. 597, Nov. 8, 1913. Chrysanthemum, by Frederick Lagerstrom, Belle Haven, Greenwich, Conn.
No. 598, Nov. 8, 1913. Chrysanthemum, by Chas. L. Baum, Knoxville, Tenn.
No. 599, Nov. 26, 1913. Begonia, Florence Davenport, by Alfred M. Davenport, Waterbury, Conn.
No. 600, Dec. 2, 1913. Geranium, John G. Meyer, by F. H. DeWitt & Co., Wooster, Ohio.
No. 601, Dec. 2, 1913. Pteris, by F. H. DeWitt & Co., Wooster, Ohio.
No. 602, Dec. 17, 1913. Rose, Mrs. F. F. Thompson, by Chas. L. Baum, Knoxville, Tenn.
No. 603, Dec. 15, 1913. Rose, September Morn, by Dietrich & Turner, Montebello, Cal.
No. 604, Jan. 24, 1914. Begonia, Mellor, by Julius A. Peterson & Sons, Cincinnati, Ohio.
No. 605, Feb. 16, 1914. Nephrolepis, New York, by Geo. J. Glatras, West Hoboken, N. J.
No. 606, Mar. 14, 1914. Antirrhinum, Janesville, by Chas. Rathjen, Janesville, Ohio.
No. 607, Mar. 28, 1914. Carnation, Dr. Sam, by Chas. L. Baum, Knoxville, Tenn.
No. 608, May 8, 1914. Hybrid Orchid, Laeliocattleya Tuttleae, by Mrs. B. B. Tuttle, No. Latock, Conn.
No. 609, May 28, 1914. Geranium, General Funston, by Peter Henderson & Co., New York.
No. 610, May 23, 1914. Rose Climbing Pink American Beauty, by The United States Nursery Co., Rosacres, Miss.
No. 611, July 24, 1914. Sweet pea, Selma Swenson, by Vaughan's Seed Store, New York and Chicago.

The society bronze medal was awarded in January to S. S. Skidelsky for Carnation Philadelphia, exhibited at the annual exhibition of that society.

SUMMARY OF SECRETARY'S FINANCIAL STATEMENT

For Year Ending December 31, 1913.

RECEIPTS.

Fees and dues.....	\$ 4,198.00
Life members.....	625.00
Outdoor garden at Minneapolis..	2,326.15
Trade exhibition at Minneapolis..	3,653.20
Gate receipts, flower show.....	322.00
National Flower Show committee to general fund (refund).....	100.00
National Flower Show committee to special fund.....	1,500.72
Registration fee.....	5.00
Ladies' S. A. F. (rebate for music)	4.00
	<hr/>
	12,734.07
Interest.....	1,085.46
	<hr/>
	\$13,819.53
Total disbursements.....	\$9,350.62

Mr. Irwin Bertermann, President Florists' Telegraph Delivery, Indianapolis, Ind., stated that during the past year, 84 new members had joined the Florists' Telegraph Delivery, a certain percentage of whom were already members of the S. A. F. & O. H., but the larger proportion of whom by reason of joining the Florists' Telegraph Delivery necessarily also took out membership in the S. A. F. & O. H., which announcement was received with applause, and with thanks from the presiding officer.

Treasurer William F. Kasting, Buffalo, N. Y., submitted his report as treasurer from January 1, 1913, to January 1, 1914; also supplemental report from January 1, 1914 to August 1, 1914.

SUMMARY OF TREASURER'S SEMI-ANNUAL REPORT.

January 1st, 1914, to August 1st, 1914.

Jan. 1, Balance in Permanent Fund \$15,704.03
Receipts to Aug. 1, 1914 1,431.98

Balance Permanent Fund, Aug. 1, 1914 \$17,136.01

Jan. 1, Balance in General Fund, \$13,386.74
Receipts 3,200.00

Disbursements \$16,586.74
5,088.85

Balance General Fund, Aug. 1, 1914 \$11,497.89

Balance Special Fund, Aug. 1, 1914 \$1,558.50

Invested as follows:

Permanent Fund.

Dunkelberg Bond & Mortgage, Fort Wayne, Ind. \$5,000.00
City & Suburban Realty Co., Fort Wayne, Ind. 1,500.00
Germania Savings Bank, Pittsburgh, Pa. 711.78
Peoples' Bank, Buffalo, N. Y. 6,082.10
American Savings Bank, Buffalo, N. Y. 3,842.13
\$17,136.01

General Fund.

American Savings Bank, Buffalo, N. Y. \$4,898.87
German-American Bank, Buffalo, N. Y. 3,368.78
Peoples' Bank, Savings account, Buffalo, N. Y. 2,848.42
Peoples' Bank, Checking account, Buffalo, N. Y. 549.98
\$11,666.05
Less Checks still out - No. 360-1... 168.16
\$11,497.89

Special Fund.

Manufacturers' and Traders' National Bank, Buffalo, N. Y. \$1,558.50
Bond and Mortgage at 5% interest.
Pittsburg and Buffalo Savings Banks, 4% interest.
Peoples' Bank on Savings account, 4% interest.
Peoples' Bank on Checking account, 3% interest on quarterly balances

William F. Gude, now presented several reports, all of which were duly received and separately acted upon, as follows:

REPORT OF WASHINGTON REPRESENTATIVE.

W. F. Gude made a brief report stating that he had not been called on for much of importance during the year. He made reference to the resignation of Prof. Galloway as Assistant Secretary of Agriculture and the appointment of Geo. W. Hess as superintendent of the Botanic Garden. He also made allusion to the useful records being compiled by the office of Economic and Systematic Botany of the Bureau of Plant Industry and by the office of Horticultural and Pomological Investigations.

For the Committee on Law and Legislation he reported that with the one exception of a reference for adjustment of certain classification of freight rates, the Committee has had nothing before it. In this case, after a visit to the Interstate Commerce Commission in Washington, the matter was transferred to New York. There the Commission heard Mr. Ward of the S. A. F. Committee, and then took the matter under advisement. In the event the classification is reduced, it will make considerable difference in the service rendered, as the goods will not go forward as promptly as first-class freight.

REPORT OF COMMITTEE ON ROSE GARDENS AT ARLINGTON FARM, VA.

W. F. Gude reported for this committee that they had been actively at work co-operating with the officials of the U. S. Government, having the Rose Garden laid out and getting nearly 50 per cent of it planted and although the garden has only been in existence about four months, over three hundred varieties of roses are already growing nicely. This garden is only about ten minutes ride from the center of the city of Washington. The largest part of the work, laying out and planting the garden has been under the direction of C. L. Mulford, landscape gardener, Department of agriculture.

Three hundred and thirty-six lots of roses have been planted, including three hundred and nine varieties. Only one-half of the garden was laid off this year. This was made into twelve beds capable of accommodating eventually seventy-two varieties a bed, 12 plants of each kind. The rose garden is to be surrounded by a trellis six feet high for the training of climbing roses, provided at appropriate points with eight-foot posts and cross pieces over the adjoining walk for the more vigorous climbers and shorter posts for the pillar roses. It is planned also to have pergolas in the corners of the garden and special decorative features at the four entrances. At the most commanding point on its main walk a low mound will be raised from which to view the garden. On this an appropriate rose covered shelter is planned from which can be seen the Capitol, Washington Monument and many other notable buildings in Washington, as well as the old Lee Mansion at Arlington and the new naval radio station. Everything possible will be done to have a beautiful garden, as well as a test garden.

In addition to Mr. Mulford, Mr. Gude mentioned Robt. Pyle, Westchester, Pa., who had rendered wonderful help toward getting the Garden started, also Prof. Corbett, Dr. Van Vleet and Mr. Steubenranch, of the Department of Agriculture, all of whom rendered valuable assistance.

The committee asked that any one having roses, not yet listed in said garden, contribute such for the general good of the rosarians throughout the country.

COMMITTEE ON WM. R. SMITH MEMORIAL.

W. F. Gude reported for this committee that progress is being made in the collection of funds. The proposed removal of the Botanic Garden at Washington will have a bearing on the character of the Memorial and as soon as the new site has been decided upon it is expected that a substantial sum can be appropriated for a suitable memorial in the new garden. Mr. Gude stated that the sum in bank to date amounts to \$1396.60; pledged \$750.

President Wirth recognized Mr. R. C. Kerr, President, Texas State Florists' Association, Houston, Texas, who spoke interestingly of the rapid and enthusiastic progress being made in floriculture in his state.

William J. Stewart being recognized by the Chair, called attention to the

enforced absence of Ex-President John N. May on account of sickness and read from a personal letter by that gentleman sending greetings and kind wishes to the members. The message was received with appreciative applause, and on motion of Ex-President Hill, Secretary Young was requested to send a letter of sympathy and good wishes to Mr. May.

Irwin C. Bertermann called attention to the sad death of Mrs. E. A. Fettes, of Detroit, Mich., who lost her life while out boating Sunday and suggested that a suitable floral offering be forwarded with the sympathy of the Convention, Mrs. Fettes having been a member of the Ladies' S. A. F., and her husband a member of the S. A. F. The motion carried unanimously. President Wirth announced that the next business in order was consideration of invitations for holding 1915 Convention.

On motion of W. F. Kasting, Buffalo, N. Y., the time for balloting on the convention city was fixed at from 7 to 9 o'clock P. M.; ballots to be deposited in the Secretary's office.

SELECTION OF MEETING PLACE FOR 1915.

This item in the program, the last regular business for the afternoon session on Tuesday, was the incentive for considerable oratory, serious and humorous, participated in by D. MacRorie of San Francisco, who presented credentials and greetings from the Pacific Coast Horticultural Society and eloquently urged the California city for the next meeting place, Benj. Hammond of Beacon, N. Y., Hugo Plath of San Francisco, M. C. Ebel of Madison, N. J., E. G. Hill of Richmond, Ind., J. G. Esler of Saddle River, N. J., all advocating San Francisco; S. A. Anderson who presented an invitation from the Buffalo Florists' Club; W. F. Kasting of Buffalo, W. A. Manda of South Orange, N. J., Chas. Lenker of Freeport, N. Y., and George Asmus of Chicago, all of whom favored Buffalo for 1915. It was decided that the polls should be open for balloting, from 7 to 9 P. M., Messrs. Anderson and MacRorie being appointed tellers and J. G. Esler judge. The President's Reception was on at its height at the Copley-Plaza Hotel when the news was passed around that San Francisco was the winner by the margin of one vote.

PRESIDENT'S RECEPTION.

This important social event took place on Tuesday evening in the magnificent ball room of the Copley-Plaza Hotel and was one of the most successful affairs of the kind in the history of the Society. President and Mrs. Wirth were assisted in the receiving line by a number of present and past officials of the Society and their ladies and it took fully an hour for the long and brilliant procession to pass. Music was furnished by a band of 24 pieces and dancing was indulged in until the midnight hour.

SECOND DAY.

The session on Wednesday morning opened with a light attendance but the hall gradually filled up and a very interesting meeting ensued. The tellers reported on the balloting for next place of meeting showing the selection of San Francisco by a plurality of one vote. The announcement was received

with cheers. A telegram from the Portland, Oregon, Horticultural Society was presented by Emil Mische, State Vice-President for Oregon, giving the names of fifteen new S. A. F. members from that state. Nomination of officers was the next business. The name of Patrick Welch of Boston for President was presented in an able speech by W. F. Kasting of Buffalo, and ably seconded by Robert Craig of Philadelphia, Patrick O'Mara of New York and John H. Dillon of Boston. Charles H. Totty of Madison, N. J., was nominated by F. H. Traendly of New York in appreciative words, followed by E. G. Hill, Richmond, Ind.; M. C. Ebel, Madison, N. J.; H. A. Bunyard, New York, and R. Vincent, Jr., White Marsh, Md., as enthusiastic seconders. Unanimous nominations were made for the remaining offices—D. MacRorie of San Francisco for Vice-President, John Young for Secretary and W. F. Kasting for Treasurer.

Then came the great discussion on the proposition providing for affiliation of the S. A. F. with other horticultural bodies, national or local, on the basis as provided for in the proposed amendment to the by-laws. Adolph Farenwald, M. C. Ebel, W. R. Pierson, J. G. Esler, W. F. Kasting, George Asmus, R. C. Kerr, H. B. Howard, Patrick O'Mara and others all joined in the debate, the outcome being an unanimous vote of approval as the sentiment of the meeting.

While the discussion was under way the meeting was electrified by the appearance upon the platform of His Excellency the Governor of the State of Massachusetts. Gov. Walsh was introduced in a few well chosen words by Vice-President Welch and received an ovation, the audience rising and cheering loudly. An inspiring speech, the equal of which in eloquence and patriotic sentiment has rarely been listened to by the S. A. F. followed and frequent outbursts of prolonged applause gave testimony to its appreciation. The Governor presented the greetings of the 3,500,000 people of the Commonwealth, referring to what Massachusetts had done as a leader in industrial development, wealth and education, but more important than all in the uplift of the people and the development of a strong, vigorous manhood. Robert Craig, in response, voiced in his choicest language the thanks of the meeting for the inspiring words and after three rousing cheers had been given by the audience standing, the Governor came down from the platform and everyone present had the pleasure of a handshake.

At the afternoon session, which was brief, the paper by A. E. Thatcher on the private gardeners' interests in the S. A. F. was read by Secretary Young, Mr. Thatcher having been called away unexpectedly.

The evening of Wednesday was devoted to the Reception given by the Ladies' S. A. F. in the ball room of the Copley-Plaza Hotel. It was a very brilliant and successful event and dancing continued until nearly midnight.

During the evening Mrs. Charles E. Critchell, the retiring president, and Mrs. A. M. Herr, the treasurer, each received as a gift a cut glass electrolier. The presentations were made by Mrs. W. W. Edgar and Mrs. Charles H. Maynard.

THURSDAY MORNING—ELECTION OF OFFICERS.

The polls were opened promptly at 11 A. M. and a long line of voters was immediately formed, it being nearly one o'clock before all had voted. The only contest was for the office of president, all the other officers having unanimous nomination.

THURSDAY AFTERNOON.

The order of business for Thursday afternoon was the announcement of the result of the ballot counting and the reading of a paper on Soils by Dr. George E. Stone. Dr. Stone was delivering his address as we closed our forms. It will appear in a later issue in full. The announcement of the election of Patrick Welch for president by a majority of eighty votes was the signal for tumultuous applause and C. H. Totty at once gained the floor and moved that Mr. Welch's election be made unanimous. Here closes a canvass of more than usual interest but without a word of bitterness on either side.

At Thursday forenoon session, President Wirth appointed Robert Craig, E. G. Hill and Ole Olson as committee on final resolutions.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The Ladies' Society of American Florists held their annual meeting Wednesday A. M., in the committee room of Paul Revere Hall. The attendance of over one hundred, the addition of thirty new members and the lively interest shown in all the discussions mark the rapid progress in the advance of the society, no less than the 449 members now on the rolls. But nine years ago the first thought of such an association sprung up, at Dayton, O., and materialized the next year at Philadelphia with charter membership of sixty.

The meeting of 1914 in Boston was called to order by the president, Mrs. C. E. Critchell of Cincinnati, who greeted the members with a few well chosen words. A short address of welcome was given by Mrs. W. W. Edgar of Waverly, Mass., and responded to by Mrs. J. A. Peterson of Cleveland, O. The Secretary, Mrs. Charles H. Maynard of Detroit gave a full report of the previous meeting which was accepted.

News of the death of Mrs. E. A. Fetters of Detroit, by drowning, Aug. 16th, was read and acknowledged by the rising of the members. Resolutions of sympathy were adopted to be sent to the family. A motion by Mrs. Traendly to discontinue the annual gift of \$25.00 for bowling prizes was carried. Mrs. B. Hammond Tracy made a strong plea for a larger membership in the L. S. A. F. and its advantages.

Mrs. Ellen M. Gill of Medford, Mass., was introduced as a long time member of the Massachusetts Horticultural Society, being 84 years old and still greatly interested in the work. By unanimous vote, she was made an honorary life member of the L. S. A. F. A plea was made by several members for the extension of the objects of the L. S. A. F. into business and educational lines in addition to their social work.

A motion was made and carried that the president and two others appointed by the president investigate the Robert Burns library of the late Wm. R. Smith with the idea of placing it where it could be enjoyed and kept in safety.

Twenty-five dollars was voted to the Wm. R. Smith Memorial fund. The action of the Board of Directors making life membership \$10 was approved, as was also a motion that members notify the secretary of illness and death of members and that flowers be sent by the secretary.

An address was given by Governor Walsh of Massachusetts, who announced that he addressed the ladies in the absence of a governess, which caused much amusement. It was noticed that the bachelor governor wore a boutonniere of bachelor buttons.

Election of officers was as follows: President, Mrs. Wm. F. Gude, Washington, D. C.; first vice-president, Mrs. George Asmus; second vice-president, Mrs. G. L. Grant, California; treasurer, Mrs. A. M. Herr, Lancaster, Pa.; secretary, Mrs. C. H. Maynard, Detroit.

LADIES' BOWLING.

Much enthusiasm prevailed at the bowling alleys on Wednesday afternoon. Prizes were won as follows:

In the bottle pin event, for which 13 prizes were offered, the winners finishing in the following order: Mrs. Bauer, Mrs. Shafer, Mrs. Smith, Mrs. Gosner, Mrs. Traendly, Mrs. Manda, Miss Matilda Meinhardt, Miss Cook, Mrs. Clapp and Mrs. Critchell.

Mrs. Bauer also won the 11th prize with a high single string of 176, Mrs. Gosner won the prize for the most strikes with four to her credit and Mrs. George Smith won the spare prize with seven spares.

In the candlepin contest for the highest pinfall in two strings the scoring was as follows: Mrs. Smith, 154; Mrs. Shafer, 149; Mrs. B. Meinhardt, 143; Miss L. Palmer, 135; Mrs. Asmus, 134. Mrs. Shafer won the high single with 78.

LADIES' AUTO TRIP.

The auto ride tendered to the visiting ladies by the horticultural interests of Boston, took place on Thursday. Fifty-three large touring cars were loaded up with ladies exclusively and the parade as it started away at 9.30 from the Copley-Plaza Hotel made a striking display, all the machines decorated lavishly with bright gladioli and fluttering banners of blue and gold. The route followed the North Shore to Manchester-by-the-Sea, the most beautiful stretch of shore on the Atlantic Coast. At Manchester the North Shore Horticultural Society provided luncheon for the visitors. The return to Boston was at 6 P. M.

NATIONAL ASSOCIATION OF GARDENERS.

At the executive meeting of this society held at Copley Square Hotel, it was voted to hold the next annual convention in Philadelphia during the first week of December, 1914. Report of the regular meeting of the society at Boston will appear in our next issue.



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5 to 7 Plump Bulbs	-	-	-	-	400 to case, \$20.00
7 to 9 " "	-	-	-	-	200 to case, 20.00
TOBACCO DUST for dusting	-	-	-	-	100 lbs. 2.00
ROSE BONE	-	-	-	-	200 " 4.50
SCOTCH SOOT	-	-	-	-	112 " 3.00

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FLORISTS' HAIL ASSOCIATION.

Secretary John G. Esler's report for the year ending August 1, 1914 gave in detail the amount of insurance placed on glass in the different states and the number of hail storms and losses paid in each. The figures indicated an insurance upon 39,303,677 square feet of glass.

The total receipts for the year ending August 1, 1914, and including last year's balance, as per treasurer's report, are \$53,764.75.

The total expenditures, as per treasurer's report, for the year ending August 1, 1914, are \$26,029.95.

The cash balance on hand is \$27,734.80, of which \$1,145.76 belongs to the Reserve Fund.

The Reserve Fund now amounts to \$33,145.76, of which \$32,000.00 is invested in first class municipal bonds, and \$1,145.76 cash in hands of the treasurer.

The amount of interest collected on bank deposits for the year is \$404.90.

The amount collected on Reserve Fund investments for the year is \$1,410.00.

2100 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of nearly \$300,000.00.

The number of members at date of closing is 1,609.

An equivalent of 114,056 square feet of single thick glass was broken by hail, for which the Association paid \$5,702.80; and an equivalent of 197,458 square feet of double thick glass was broken which cost the Association \$13,822.03.

The Florists' Hail Association, after passing its twenty-seventh milestone, carries a larger amount of risks, has a larger Reserve Fund, and is in a healthier condition than at any time in its past history.

The working of the recent amendments to the By-Laws has been such as to equitably distribute the burdens of insurance in such a manner that no portion of the territory covered will have reason to complain. It may be well, also, to call attention to the fact, that hazardous risks, wherever located, are paying a hazardous premium.

Those members who remained with the Association in its days of adversity can now rejoice in its present prosperity.

Treasurer Heacock's report was presented at the same time and was in accordance with the foregoing figures.

AMERICAN GLADIOLUS SOCIETY.

The meeting of this society on Wednesday was a well-attended and business-like session. The following officers were chosen: Charles F. Fairbanks, president; Henry Youell, secretary; A. E. Kunder, treasurer; Maurice Fuld, I. S. Hendrickson and T. A. Havemeyer, executive committee; Prof. A. C. Beal, A. C. Hoddis and L. M. Gage, nomenclature committee. Awards in the gladiolus display in Mechanics Building were as follows:

25 spikes Mrs. Francis King, S. E. Spencer, Woburn, Mass.; Vaughan silver medal for 25 Chicago White, C. W. Brown Ashland, Mass.; 12 spikes Black Beauty, Madison Cooper, Calumet, N. Y.; 13 spikes Golden Queen, L. E. Meader, Dover, N. H.; 12 spikes Michigan, Madison Cooper; 6 white, C. F. Fairbanks; 6 pink or shades of pink, T. A. Havemeyer; 6 yellow, T. A. Havemeyer; 6 red or shades of red, C. W. Brown; 6 any other color, T. A. Havemeyer. Collection of 10 varieties, six each, John Lewis Childs, Flowerfield, N. Y.; 25 spikes any white variety, Jacob Thumann & Sons, Rochester, N. Y.; White seedling 3 spikes, Arthur Cowee, Berlin, N. Y.; Yellow seedling, H. E. Meader; pink seedling, E. N. Fischer. Red variety never before exhibited, Arthur Cowee. Corsage bouquet, Arthur Cowee. 10 vases Gladiolus Childs named varieties, T. A. Havemeyer; 3 spikes Gladiolus Badenia, T. A. Havemeyer. Silver cup for display correctly labeled, T. A. Havemeyer. 3 spikes any white variety, amateur, Thomas Cogger; 10 varieties, 1 spike each, A. A. Rosin. Vase of yellow varieties, T. A. Havemeyer; America, Thomas Cogger; silver medal for exhibit, 3 spikes each, correctly labeled, C. F. Fairbanks; basket, Arthur Cowee; C. F. Fairbanks, 2nd.

AMERICAN ROSE SOCIETY.

The American Rose Society held a meeting in Paul Revere Hall on Thursday forenoon. After reading of the minutes of the last meeting, President W. R. Pierson delivered a very interesting address on the present and future work of the society, particularly in the establishment of test gardens and affiliation with existing amateur societies. Mr. Pyle advocated the appointment of committees of three for each rose test garden, who shall be subsidiary to one central board with power to make rules and regulations concerning the arrangement and conduct of same.

FLORISTS' TELEGRAPH DELIVERY ASSOCIATION.

The Florists' Telegraph Delivery officers of last year were re-elected except directors for three years who are H. Papworth, New Orleans, G. E. M. Stumpp, New York; O. J. Olson, St. Paul, Minn. President Bertermann's address showed a prosperous condition and over two hundred members. The secretary urged greater publicity in window displays and otherwise. Dues will be doubled for next year, those admitted this month to pay present dues. The secretary was voted five hundred dollars for clerical help next year. A letter of regret and greeting was received from Philip Breitmeyer, Detroit. General consensus of opinion was that a discount of twenty per cent. on European orders be permitted at the source.

CONVENTION NOTES.

Mrs. E. Suder, of Toledo, O., one of the active elderly ladies of the trade had the misfortune to stumble when stepping up on a curbstone and strike her chin. Though the wound was severe, she did not lose her share in the enjoyment of the convention.

Phil Foley, of Chicago, as pensive and beaming as ever, was one of the happiest of the throng in the exhibition hall. He distributed dainty little pocket mirrors among his friends, with the remark, "If your wife don't look pleasant when she sees herself in that, I'll get you another wife."

Those ladies who were not bowling enthusiasts were given an automobile trip to points of historical interest in Boston, the Old State House, the Navy Yard, Faneuil Hall, Paul Revere House, Bunker Hill Monument, etc. This ride was particularly enjoyed as most of the visitors had never seen these places before.

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White— Smith's Advance Oct. Frost Virginia Poehlmann Alice Salomon	White— Mrs. Chas. Razer Elise Papworth Yellow— Bonaffon Crocus Ramapo Pink— Enguehardt Chieftain	White— Timothy Eaton Lynwood Hall Yellow— Yellow Eaton Pink— Maud Dean Patty R. E. Loeben Crimson— Schrimpton

POMPONS and SINGLES

NEW ONES		
Chieftain — Pink, Alice Salomon.		
POMPONS		
Yellow— Krut Skiho Madge Klondyke Baby Big Baby Quinola Red— Rufus LaGravere	White— Waco Alva Helen Newberry Kemmit Pink— Nellie Bly Fairy Queen Alvina	Bronze— Madam Laporte Mrs. Beu SINGLE POMPONS White— Mensa Bronze— Pauline Parkinson Single Pink

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GRAFTED ROSES

2½-in. Plants.	2½-in. Plants.
Pink Killarney, White Killarney, Milady, Mrs. Taft (Bulgaria or Antoine Rivoire), Richmond, Mrs. Geo. Shawyer, at \$12.00 per 100; \$100.00 per 1000. Mrs. Chas. Russell, grafted, 2½-in., at \$15.00 per 100; \$120.00 per 1000. Killarney Brilliant, grafted, 2½-in., at \$30.00 per 100; \$250.00 per 1000; 3½-in., \$35.00 per 100; \$300.00 per 1000.	Richmond, 2½-in., \$90.00 per 1000; 3½-in., \$120.00 per 1000. Richmond and Milady are extra strong plants. 3½-in. Grafted. Milady, Mrs. Geo. Shawyer, Bulgaria, Pink Killarney, \$15.00 per 100; \$135.00 per 1000. 150 Russell and 100 small Hadley at \$15.00 per 100.

OWN ROOT ROSES

2½-in. Plants.	Beauties, 3-inch, \$6.00 per 100; \$55.00 per 1000. Ready to ship. All first class stock. 2-in. Beauties all sold.
Killarney, Mrs. Taft, (Bulgaria or Antoine Rivoire) Milady, at \$6.00 per 100; \$55.00 per 1000. 3½-in. Plants. Pink Killarney, Mrs. Geo. Shawyer, Milady at \$8.50 per 100; \$75.00 per 1000. Richmond at \$7 per 100; \$65.00 per 1000. Cecil Brunner, \$8.00 per 100; \$75.00 per 1000.	Orders will be taken for cut back bench plants, when these are on hand, for White Killarney, Mrs. Ward, Double Pink Killarney and Melody, at \$5.00 per 100; \$40.00 per 1000. Beauties at \$6.00 per 100; \$55.00 per 1000.

These prices are for cash in 10 days.

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NEW YORKERS ON THE WAY TO BOSTON.

Many, many pleasant memories will live long after the Boston Convention but none of them may outlive the pleasant night given by the New York Florists' Club on board the steamer "Massachusetts" on the way to Boston. Seldom if ever were a jollier party got together on a boat, one and all imbued with jovial friendship, and the committee headed by Frank Traendly worked hard and extremely successfully, so to the end that hospitality went its natural capacity. The party consisted of nigh 250, many of whom came from distant states to join the New York party. The main dining saloon was handsomely decorated with the finest flowers New York growers had and when the members and guests were seated it was a most inspiring sight. That veteran of many occasions, Charlie Weathered, in his ever choice words introduced William Duckham as toastmaster of the evening and although at times William had some job in keeping the tide of joy within bounds, yet in his graceful style he did wonders. E. G. Hill responded to the hearty welcome and reminded those whose racial pride may naturally turn to events in Europe that they were all Americans and should so consider themselves during this Convention, winding up in a eulogy of that sterling member C. H. Totty, who he hoped would be the next president of the S. A. F. Amid vociferous demands Totty was called upon for a speech and responded by saying he was willing to serve in any capacity his friends placed him, even be it as a member of the rank and file. Robert Craig added to his classic bon-mots of wisdom in the interests of horticulture and friendship and urged that the Society should demand more recognition from the powers that be—be it state or national. Mr. Coles of Kokomo cordially invited all those present to Indianapolis during the autumn show. Frank Traendly was loudly called for and in his own concise way informed the party that he, as chairman of the transportation committee, had taken care to have on board sufficient ballast to steady the boat (and he afterwards proved it). Then the songs started with Robert Craig singing "Loch Lomond" in which all joined. John Livingston sang several old ballads, after which Robert Craig, just to show he was still able to do it, executed a catchy song and

dance. Adolph Farenwald expressed his delight at being present and Mr. Grakelow, a comparatively newcomer to many, surprised the party with his powers for recitation. A duel in story telling was well fought out between Messrs. Craig and Hill to the immense delight of all present. Mrs. Frank Traendly responded for the ladies present. It was indeed a merry party, refreshing inwardly and outwardly.

J. IVERA DONTAN.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The annual outing of the W. & F. Society was held at Edward's Rye Beach Inn, Rye, N. Y., Aug. 11th. There was a large attendance of the members and their families and friends. The trade was well represented by a goodly number of seedsmen and nurserymen. An excellent shore dinner was served. The old fashioned game of "Breaking the Flower Pot" was a feature which caused many a hearty laugh. The winners in the athletic sports were as follows:

16 lb. Hammer Throwing—1st, Thos. Aitcheson, 62 ft. 2 in.; 2nd, Wm. Whittin, 59 ft. 8 in.

Putting Shot—1st, Wm. Whittin, 33 ft. 10 in.; 2nd, Geo. Aitcheson, 32 ft.

Running Broad Jump—1st, Wm. J. Sealey, 15 ft. 3 in.; 2nd, Colin Aitcheson, 14 ft.

Standing High Jump—1st, Wm. Whittin, 4 ft. 1 in.; 2nd, J. B. Roy, 4 ft.

100 Yards Dash—1st, Wm. J. Sealey; 2nd, Wm. Whittin.

Boys' Race, under 16 years—1st, Fred'k Henderson; 2nd, Walter Foster.

Fat Men's Race—1st, Chas. Adecock; 2nd, Mr. Earnshaw.

Men's Race, over 50 years old—1st, Alfred Nichols; 2nd, John Henderson.

Ladies' Race—1st, Mrs. Olsen; 2nd, Miss Wood.

Girls' Race, under 10 years—1st, Agnes Aitcheson; 2nd, Catherine Tindigan.

Ladies' Foot Ball Kick—1st, Mrs. Whittin, 49 ft. 2 in.; 2nd, Mrs. Olsen, 46 ft. 8 in.

Aunt Sally Contest for Ladies—1st, Mrs. Lough.

Match Game of Quilts—Fairfield Co., 21 points; West Chester Co., 19 points.

Foot Ball and Base Ball games were called on account of rain.

P. W. Popp.

CINCINNATI NOTES.

Mrs. P. J. Olinger was able to leave Christ Hospital and go home on schedule time last Saturday.

Geo. J. Ball of Glen Ellyn, Ill., is in the city visiting his father who is ill at the Jewish Hospital.

A. C. Heckman, Jr., of the Cincinnati Cut Flower Exchange, is on an auto trip through Ohio to Detroit.



Mignonette BODDINGTON'S MAJESTY

THE finest of all the Fancy Varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety.

Trade Packet 60 cts., 1/8 ounce \$1.00, ounce \$7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th St., - NEW YORK
"These Prices are for the Trade Only."

FANCY OR DAGGER FERNS

New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

Discount on large orders

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

Tel. Office, New Salem, Mass.
L. D. Phone Connection.



Bronze and Green Galax, \$1.00 per 1000;
\$7.50 per case of 10,000.

Sphagnum Moss, large sack, only 40c

Pine by the pound, 8c., or by the yard

Branch Laurel, 35c. for a large bundle

Southern Smilax, 50 lb. cases, \$5.00
Green and Bronze Leucothoe Sprays, \$3.50
per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.

Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

LILIUM HARRISII

For Immediate Use

We have received our first consignment of Harrisii, and offer a selected stock of the original true Harrisii for early forcing. This stock was grown from the original true type and will be found splendid stock for early forcing, for which purpose Harrisii is so valuable. The crop is much shorter than usual this season, but we are in position to supply a nice lot of selected stock, and can make delivery from first shipment.

6 to 7-inch bulbs, 350 to the case, \$5.50 per 100, \$15.00 per 1,000

7 to 9-inch bulbs, 200 to the case, \$9.00 per 100, \$80.00 per 1,000

Full case lots at thousand rates.

FERNS

There is nothing better for summer use than the fine varieties of NEPHROLEPIS. We offer a nice stock of the following varieties, well established plants ready for immediate shipment.

Nephrolepis elegantissima Tarrytown Fern, 3 1/2-inch, 250 each; 6 to 8 inch, 500 each \$1.00 each

Nephrolepis magnifica 2 1/2 inch each

Nephrolepis muscosa, 2 1/2 inch each; 5 inch, 500 each

Nephrolepis Harrisii, 6 inch each; 12 inch very large plants, \$5.00 each.

Nephrolepis Bostoniensis, 5 inch each; 12 inch very large plants, \$5.00 each

Pteris Wimsetti multiceps The Hardy Fern 3 1/2 inch, 150 each.

Small Ferns for Fern Pots A fine assortment. 2 1/2-inch, \$1.00 per 100.

SPECIAL OFFER OF KILLARNEY BRILLIANT, Grown in 4-inch Pots, To Close Out Stock

We have a few thousand extra fine plants of this valuable rose. Those who have completed their planting or who have been building or who have not all the stock they need, will find this a bargain. Plants are strong plants from 4-inch pots. In order to close out stock, we offer what we have left unsold at \$25.00 per 100, \$200.00 per 1,000.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON
NEW YORK

JAPANESE Bamboo Canes

Just the thing for Staking Plants and Small Trees

Per Bundle

6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

30 and 32 Barclay Street
NEW YORK

Rather Early For Fall!

It may be rather early for frost, but you don't want to wait for frost before ordering your palm and fern stock. Get in ahead and get your shipments by freight if you can, and save that way. Our palm stock is the finest we have ever handled. Come and look it over and leave us your order. We will reserve it, if you wish, and ship it when you are ready for it.

Kentia Belmoreana—

6-inch pots, 6-7 leaves, 22 inches high, \$1.00 each—\$12.00 per doz.

Phoenix Roebelenii—

8-inch pots, 24 inches high, 26-inch spread, \$3.50 each.

9-inch tubs, 24 inches high, 30-inch spread, \$4.00 each.

Boston Ferns—

5-inch pots, \$.35 each, \$4.00 per doz.

ADIANTUM CROWEANUM—

3-inch, \$8.00 per 100, \$70.00 per 1000.

Our Fall planting list of Roses, Perennials and Shrubs is now ready for mailing.

The prices in this Ad. are for the trade only.

A. N. PIERSON, INC.
CROMWELL, CONN,

CYCLAMEN

Best strain in existence.

4 inch	\$35.00
3 inch	50.00
4 inch	75.00

THOMAS ROLAND, Nahant, Mass.

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS
AZALEAS, CONIFERS, CLEMATIS
H. P. ROSES, SHRUBS, AND HER
BACEOUS PLANTS.

P. OUWERKERK, 216 Jaap St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

Stuart Low & Co., Bush Hill Park Nurseries ENFIELD, ENGLAND

ORCHIDS, 25 houses full.

PALMS, 40 houses full.

FRUIT TREES for garden, 100 acres.

FRUIT TREES, pot grown for Orchard houses

FIG TREES, pot grown

GRAPE VINES, pot grown

ROSES, pot grown by the 100,000.

ROSES, pot grown for Pergolas and for fire

CYCLAMEN SEED, very finest strain

Our representative will be in the United States during September and October and will be pleased to meet or give particulars to anyone interested. Address

Mr. Harry A. Barnard, Hotel Albert, University Place, New York City

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World
SANDER, St. Alban s, England

and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. **CATTLEYAS:** Percivalliana, Gaskelliana, speciosissima. **DENDROBILUMS:** Formosum, Wardianum, noble, densiflorum, Schuitzi. **VANDAS:** Coerulea, Batemannii, Luzonica, Insehoottiana. **PHALAENOPSIS:** amabilis, Schilleriana. **Spathoglottis plicata.**

Write for Special List No. 55.
LAGER & HUBBELL, Summit, N. J.

THE TRADE EXHIBITION

Following is a complete list of all the exhibits in the trade exhibition in Mechanics Building:

Benjamin Hammond, Beacon, N. Y. A very complete assortment of his specialties, insecticides, greenhouse paints and putty. In charge of Walter Mott.

New England Entomological Society, Jamaica Plain, Mass. Beautiful display of preserved butterflies for use in floral work. A very attractive exhibit.

Department of Floriculture, Massachusetts Agricultural College. A collection of floricultural and other literature issued by the Massachusetts Agricultural College. Exhibit in charge of Prof. Nehrling.

H. F. Mitchell Company, Philadelphia. Desk and literature of the Mitchell Seed House.

L. B. Brague & Son, Hinsdale, Mass. Green goods.

C. S. Ford, Philadelphia, Pa. Florists' supplies, letters, etc.

S. A. Anderson, Buffalo. Lorraine begonias.

J. G. Harrison & Sons, Berlin, Md. Samples of conifers.

Skinner Irrigation Company, Troy, O. Irrigation Specialties.

Taylor Steam Specialty Company, Battle Creek, Mich. Exhibit of their water circulator device in operation.

Kroeschell Brothers Company, Chicago, Ill. This exhibit weighs 30,000 lbs., and consists of one No. 7 Kroeschell boiler, sold to Peter Murray, Fairhaven, Mass., and one No. 9 boiler, sold to H. S. Wolcott, Concord, Mass. Also Kroeschell 2 in. threaded piping system and Kroeschell threaded tube piping system. Boilers set on concrete foundations ready for operation, cross connected, so that either one or the other boiler can operate the entire plant. Rest room fitted up for the ladies. Fred Lautenschlager in charge.

Advance Company, Richmond, Ind. Bench of fittings and a ventilating apparatus, all nickel plated. In charge of James E. Jones and son.

Hitchings & Company, Elizabeth, N. J. Model of house showing the side details of full iron frame house and different types of sash operating apparatus. Heavy cast iron base used for either side posts or angle iron columns. Tell-tale device shown for the first time, which shows the amount of opening the roof sash have in inches. Square sectional cast iron boiler and photographs of different houses constructed by this firm.

John C. Meyer & Co., Lowell, Mass. Exhibit of Silkline.

Revere Rubber Company, Chelsea, Mass. Revere hose.

Joseph Breck & Sons, Boston, Mass. Desk and samples of various specialties.

J. C. Mounger Company, Chicago, Ill. No. 237 steam boiler, completely fitted; half section of iron frame house showing detail. Half detail section of pipe frame house showing new bolted clamp fittings. All kinds of heating fittings, wood gutters, eave plates and sundries. Water color sketch of the W. H. Gullett range of 24 houses, each 60 x 500 ft. Ingenious paper model of iron frame house showing steel work, benches, etc. Useful souvenirs in the form of pencils for the men and powder books for the ladies, presented all visitors. A. Hammarstrom, of the New York Office, in charge, assisted by N. J. Rupp.

Welch Brothers Company, Boston, Mass. Extensive display of baskets, ribbons and miscellaneous florists' supplies.

King Construction Company, North Tonawanda, N. Y., section of King greenhouse.

M. Rice Company, Philadelphia, Pa. Desk and ribbon samples.

S. S. Penlock-Mechan Company, Philadelphia, Pa. Elaborate and beautiful exhibit of florists' ribbons and other dainty supplies for retail florists; also ferns, pandanus and other standard florists' plants.

Williams' Book Store, Boston, Mass. Nature books.

A. T. Storrs Lumber Company, Boston, Mass. Complete greenhouse structure equipped with Evans' challenge ventilating apparatus.

A. A. Arnold Paper Box Company, Chicago, Ill. Folding flower boxes.

Wertheimer Brothers Company, New York, N. Y. Florists' ribbons.

Lord & Burnham Company, New York, N. Y. Handsomely decorated booth, with photographs and water color sketches of

greenhouse structures erected by that company.

Crowl Fern Company, Millington, Mass. Exhibit of laurel roping, ferns and other florists' green goods.

James Vick's Sons, Rochester, N. Y. Superb display of gladioli in which Rochester White showed up in most wonderful effect; asters and Vick's Ruffled Giant Petunias; a most superb strain.

Detroit Flower Pot Company, Detroit, Mich. Samples of standard flower pots.

Lager & Hurrell, Summit, N. J. Newly imported orchids, also blooming samples.

George L. Stillman, Westery, R. I. Display of named dahlias.

R. M. Ward & Co., New York, N. Y. Desk and samples of lily bulbs.

H. Bayersdorfer & Co., Philadelphia, Pa. Large collection of photographs of florists' material.

Robert Craig Company, Philadelphia, Pa. One of the finest plant displays ever presented at a trade exhibit, including many seedling crotons shown here for the first time, dracaenas, ferns, Lorraine begonias and cyclamens.

Lion & Company, New York, N. Y. Ribbons and chiffons.

H. M. Robinson Company, Boston, Mass. Large exhibit of florists' supplies.

Florists' Telegraph Delivery Association, Detroit, Mich. Booth and information bureau. In charge of Albert Poehelon.

F. R. Pierson Company, Tarrytown, N. Y. Grand exhibit of specimen nephrolepis in the many varieties which are specialties with this house.

Penn. the Florist, Boston, Mass. Booth showing some of the special advertisements which this enterprising florist has made use of during the past year. Also exploiting telegraph work such as supplying weddings, funerals and providing bon voyage baskets.

Schloss Bros., New York, N. Y. New headed corsage novelty shown for the first time, receiving honorable mention. Also silver and gold ribbons for basket and corsage trimming, new line of fancy figured ribbons, new lace chiffons in rainbow and ombre colorings.

MacRorie-McLaren Company, San Francisco, Calif. Phalaenopsis.

Arthur Cowee, Berlin, N. Y. Gorgeous display of gladioli, producing a most brilliant and elaborate effect and contributing largely to the attractiveness of the hall.

Brookland Gardens, Woburn, Mass. A very beautiful collection of gladiolus novelties of the highest quality.

John Lewis Childs, Flowerfield, N. Y. Extensive collection of gladiolus blooms, showing some very fine blooms of Childs type.

R. Vincent, Jr. & Sons Co., White Marsh, Md. Large table of the new bedding geranium, My Maryland.

W. A. Manda, South Orange, N. J. Very extensive and varied collection of stove and greenhouse plants, including many beautiful novelties introduced by this house. In charge of R. Karlstrom.

Vaughan's Seed Store, Chicago, Ill. Large booth of French and Dutch bulbs, gladioli and lily bulbs.

Peters & Reed Pottery Company, South Zanesville, Ohio. Display of Moss Aztec pottery.

Fottler, Fiske, Rawson Company, Boston, Mass. Desk and display of freesias, gladioli and violas.

Poehlmann Bros. Co., Chicago, Ill. Collection of florists' supplies in variety.

McNeff-Swenson Company, Chicago, Ill. Floral publicity literature.

Teare & Black Company, Cleveland, O. Capitol Plant Food.

Foley Mfg. Company, Chicago, Ill. Samples of greenhouse building material and sash bars.

Jackson & Perkins Company, Newark, N. Y. Pot-grown lilacs, etc.

Henry A. Dreer, Inc., Philadelphia, Pa. As usual a display of fine healthy palms of the popular florists' varieties, also crotons, variegated pineapples, dracaenas, araucarias and dish ferns.

Williams Florist, Utica, N. Y., electrical welded wire designs.

Storrs & Harrison Company, Painesville, O. Exhibit of useful commercial florists foliage plants, also sample plants of forcing roses.

E. Allan Peirce, Waltham, Mass. The well known paper flower pots introduced by E. Allan Peirce.

Knight & Struck Co., New York, N. Y. Collection of ericas and other hard-wooded greenhouse stock.

J. A. Peterson & Sons, Cincinnati, O. Specimen Dracaenas Victoria, bird's nest ferns and Adiantum Farleyense.

Bon Arbor Chemical Company, Paterson, N. J. Samples of plant food, worm eradicator and other insecticides.

Aphine Mfg. Company, Madison, N. J. A very interesting exhibit of the many insecticides and fungicides manufactured by this company.

Charles D. Ball, Holmesburg, Pa. Display of well grown kentias.

Jos. Heacock Company, Wyncote, Pa. Specimen kentias and Cibotium Scheidti.

Estate of Lemuel Ball, Wyomissing, Pa. Palms and decorative plants.

A. H. Hews & Co., North Cambridge, Mass. A very extensive display of standard flower pots, vases, jardinières and other pans. In charge of Thomas Benwell and L. D. Bryant.

C. Keur & Sons, Hillegom, Holland. Very complete collection of Holland bulbs, freesias, etc.; also coleibicums.

A. Lenth & Co., Roslindale, Mass. Group of healthy kentias and dracaenas and other decorative foliage plants.

R. & J. Farquhar & Co., Boston, Mass. Table of high grade Dutch bulbs.

Thomas Roland, Nahant, Mass. Well arranged display of crotons, araucarias, hard-wooded plants in variety, Lorraine begonias, etc.

Carl Hagenburger Co., West Mentor, O. New fern Nephrolepis Mentori, a very pretty variation from the standard types, having some of the characteristics of the original Fosteri.

Wm. Plumb, superintendent of floriculture at the Panama-Pacific Exhibition, photographs and literature concerning Panama-Pacific Exposition.

The display of gladioli in the amateur section was a most beautiful feature, including new and improved named varieties of exceptional merit.

The floral exhibit of the American gladiolus Society formed a very attractive display and was a prime center of interest for the visitors. A list of the exhibits and awards will appear in the regular report of that society.

EXHIBITION AT HORTICULTURAL HALL.

A rare courtesy which was greatly appreciated by the Convention visitors as well as by the home people was the magnificent free floral exhibition given by the Massachusetts Horticultural Society in compliment to the Society of American Florists. All three halls in Horticultural Building were filled to repletion. The exhibition lasted from Tuesday until Thursday night. More about it next week.

PERSONAL.

John N. May, Summit, N. J., is now able to be about and last Thursday, with the aid of crutches was able to walk to the office for the first time in three months, the first six weeks of which he was confined to his bedroom. His trouble is phlebitis. In a cordial letter to the editor of HORTICULTURE he expresses his great regret at not being able to get to the Boston Convention and meet the many old friends congregated there.

In our notes on the gladiolus exhibition at Boston last week, the award of honorable mention to C. W. Brown of Ashland, Mass., for the new Kunderd gladiolus Mrs. O. W. Halliday was inadvertently omitted. This is a fine pink flower with cream throat.

C. C. MORSE & CO.

San Francisco, Cal.

NEW SWEET PEA

MARGARET ATLEE

THE SPENCER SUPREME

The largest and finest Sweet Pea yet introduced.

First Prize American Sweet Pea Society.
Silver Medal, National Sweet Pea Society
of Great Britain, London, July, 1914.



MARGARET ATLEE

Life Size as Grown by Ordinary Culture

MARGARET ATLEE is a rosy-salmon pink on a creamy buff ground; a rich, soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy and inclined to double under favorable conditions. The wings are equally large, wavy and well set. It runs almost uniformly four blossoms to the stem; well poised and graceful. In all respects, it is the grandest Sweet Pea we have ever grown, either from foreign introductions or American varieties.

MARGARET ATLEE has finally yielded us sufficient seed to warrant our adopting a unique method of exploiting it. We are confident that America does not half appreciate real SPENCER SWEET PEAS, and we propose to use **MARGARET ATLEE** as a missionary in the hope that it will invade every home garden where Sweet Peas can be grown.

MARGARET ATLEE was introduced in 1912, but a short crop that year and the year following prevented our offering it to the Trade, and it has not yet appeared in our Contract Lists.

Messrs. Lowe & Shawyer, the largest flower growers in Great Britain, simply insisted on having some of it last season and we let them have a pound out of our planting stock, to be used for growing cut flowers for the Covent Garden Market. They had a packet of it the year previous and considered it the very finest thing they had ever seen in Sweet Peas. With them it is a leader as a florist flower.

Ever so many people who have seen bouquets of Margaret Atlee have exclaimed, "Are those really Sweet Peas?"

Under ordinary culture they are delicate and refined to a degree. Under special culture for exhibition flowers they produce unusually large thick petals and enormous stems and leaves. It is not uncommon to see stems 22 inches long, $\frac{1}{4}$ inch thick and leaves $5\frac{1}{2}$ inches across.

MARGARET ATLEE will be put up in inside white packets, 2 x $3\frac{1}{2}$ inches, simply printed thus:

SWEET PEA

MARGARET ATLEE

There will also be an outside packet in salmon pink, 27 x $4\frac{1}{2}$ inches, printed thus:

10 Seeds

SWEET PEA

MARGARET ATLEE

New Giant Flowered Spencer.

Rich rosy salmon-pink on creamy buff. Immense wavy standard, inclined to double. Large wavy wings.

25 Cents

These outside packets can be left off if required or they can be supplied empty so that the dealer's name may be printed at the bottom.

PRICES net to the Seed Trade: —

\$3.50 for 25 pkts.

12.50 per 100, up to 500 pkts.

10.00 per 100 for 500 pkts. and over.

NOTE—The name was chosen as an appreciation to Mr. Burpee,—Mrs. Margaret Atlee being his aunt.

We are issuing a circular offering several other Sweet Pea Novelties and will mail it to the Trade in a few days.

C. C. MORSE & CO.,

SAN FRANCISCO, CAL.

FOTTLER, FISKE, RAWSON CO.

12 and 13 Faneuil Hall Square, BOSTON, MASS.

BULBS

FOR FORCING

HYACINTHS—

White Roman

NARCISSUS—

Paper White Grandiflora

FREESIA PURITY—

Selected Strain

1st Size, M, - - \$15.00

Mammoth, M, - - 20.00

LILIES

HARRISII

LONGIFLORUM

JAMESII

FORMOSUM

A Complete Stock of

DUTCH BULBS

FOR FLORIST USE

Best Quality Procurable



LUPIN, PINK BEAUTY.
Excellent for forcing.

SEEDS

FOR FALL SOWING

CINERARIA GRANDIFLORA
NANA

Trade Pkt., \$1.00.

CALENDULA—Orange King.

Trade Pkt., 10c.; Oz., 25c.

CANDYTUFT—Giant White Per-
fection.

Trade Pkt., 15c.; Oz., 50c.

CENTAUREA CYANEA—Em-
peror William, Double, Blue

Trade Pkt., 20c.; Oz., 60c.

CYCLAMEN—Gold Medal Strain

100 Seed, \$1.00; 1,000 Seed, \$8.00.

LUPINS—Pink Beauty

Trade Pkt., 10c.; Oz., 30c.

MIGNONETTE—Fottler's Eclipse

Trade Pkt., 75c.; Oz., \$5.00.

PANSIES—Triumph, Exhibition
Mixture

Trade Pkt., 75c.; Oz., \$6.00.

Boston Florist Mixture

Trade Pkt., 75c.; Oz., \$5.00.

STOCKS—Boston Flower Market

White, Trade Pkt., 75c.; Oz., \$5.00.

Colors, Trade Pkt., 60c.; Oz., \$4.00.

WALLFLOWER—Early Parisian

Brown, Trade Pkt., 10c.; Oz., 30c.

Blood Red, Trade Pkt., 15c.; Oz., 50c.

SEEDS-PLANTS-BULBS

Best Strains for Florists and Gardeners.

Largest Growers of **Asters** in America.

Sole Agents for Rochester White Gladiolus.

Importers of Best Grade Holland Bulbs.

JAMES VICK'S SONS

Rochester, N. Y.

Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our **CHALLENGE PANSY** seed contains only the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not get a better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance?"

½ trade pkt. 25 cts., trade pkt. 50 cts., ¼ oz. 75 cts.,
¼ oz. \$1.50. ½ oz., \$2.75, oz. \$5.00.

1914 NOVELTY PANSY SIM'S GOLD MEDAL MIXTURE

Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim (renowned for Sweet Peas), Cliftondale, Mass., and we are offering seed from the originator for the first time. Trade pkt. 75 cts., 3 pkts. for \$2.00. ¼ oz. \$3.50.

Boddington's Quality "English" Pansy

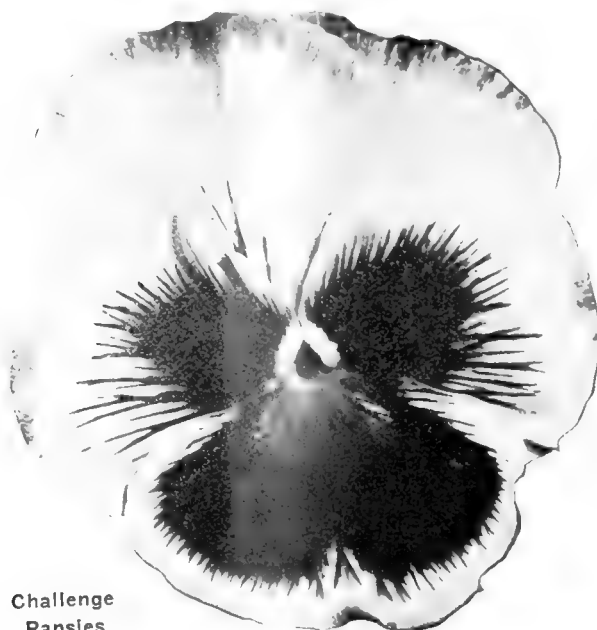
A superb strain of highly-colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms, and strongly recommends this mixture to florists.

Trade pkt. (500 seeds), \$1.00; ½ trade pkt. (250 seeds), 50c.
¼ oz., \$2.25; ½ oz., \$4.25; oz., \$8.00.

Other Choice Varieties of Giant Pansies

	Tr. pkt.	¼ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist.....	.50	2.75	10.00
Giant Trimardeau. Mammoth flowering, and in a good range of color.....	.15	.50	1.50
Giant Masterpiece (Frisled Pansy). Petals beautifully waved; exquisite colors.....	.25	1.25	4.00
Cassier's Giant. A fine strain of large, highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.15	.75	2.50
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	.15	.85	3.00
Giant Orchidæiflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamois, etc.	.25	1.75	4.00



Challenge Pansies

	Tr. pkt.	¼ oz.	Oz.
Giant Emperor William. Ultramarine blue, purple eye.....	\$0.10	\$0.50	\$1.50
Giant Golden Queen. Bright yellow; no eye....	.15	.60	2.00
Giant Golden Yellow. Yellow; brown eye....	.15	.75	2.50
Giant King of the Blacks (Faust). Black....	.15	.60	2.00
Giant President McKinley. Golden yellow, large, dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.15	.75	2.50
Giant Pretiosa. Crimson rose, white margin, violet blotch.....		1.25	4.00
Giant Rosy Lilac.....	.15	.60	2.00
Giant White. Violet spot.....	.10	.60	2.00

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	.25
BRIDESMAID. Giant flowers of rosy white.....	.25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	.25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine....	.25
PSYCHE. Violet, bordered white; beautifully waved petals.....	.25
PEACOCK. All the name implies; a most beautiful varicolored variety; peacock blue, edged white.....	.25
RUBY KING. Superb crimson and red shades.....	.25
SNOWFLAKE. Pure white; immense flower.....	.25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	.25
Collection of the above 10 varieties, one packet each, for \$2.00.	

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Effect of War on Seed Trade.

We assume that the trade in general has considered the probable effects of the European war on their business. It may be accepted at once that they will get nothing from Germany or Austria-Hungary, not only during the continuance of the war, but for a long time after, as the demoralization of all business systems, and the practical annihilation of the German merchant marine will prevent the exportation or importation of anything but foodstuffs, and for which the few ships escaping capture or destruction will be urgently needed. What we shall get from Great Britain, France, Denmark and Holland is problematical. Until the seas are cleared of hostile cruisers, commerce will be restricted to bare necessities, and the need of many ships as transports, and conversion of many of the largest lines into cruisers or commerce destroyers does not augur well for the seedsmen getting delivery of their contracts from any of the European countries. This will be most keenly felt in the line of small seeds, particularly in radishes and biennials, and flower seeds, for excepting sweet peas, Europe furnishes seventy-five to ninety per cent of the flower seeds used in the United States. It is generally known that many of our seedsmen have placed large orders for garden peas with German and British firms, including New Zealand. The high cost of producing peas in Montana, Idaho and other Northwestern states, and the lowering of the duty, has enabled our German and British friends to underbid American growers, thus securing a considerable volume of business. It looks now as if those who are depending on foreign contracts would do well to face the situation as it is, and at least secure a part of their requirements before what seems now like an inevitable advance in prices occurs.

It seems unlikely that such a serious situation can have escaped the attention of the officers and directors of the Wholesale Seedsmen's League, and an early meeting to take suitable action in the matter is not improbable. A general advance on nearly all lines seems inevitable, and we learn that wholesalers are rather chary about quoting on large quantities, and two sets of quotations which we have been permitted to see within ten days from two of the leading wholesale houses,

show advances of 50 to 100 per cent. over the prices of last season.

Bean, Pea and Corn Crops.

The condition of bean crops in Western New York and Michigan was very serious a week or ten days ago, the result of many days of intense heat and drought, but some rain which fell over the bean-growing sections within the past few days has greatly relieved the situation, although there is no question but that bean crops have been irretrievably damaged, and that yields will fall far below last spring's estimates. It also is certain that peas will not give us the bumper yields of a year ago, and the market is growing stronger every day. This is especially true of the long pod and fancy early varieties. We advise anyone who has to buy, to get busy, and buy at any quotations made, as today's prices will look low in sixty or ninety days, and we believe this will apply to most items in seeds. Speaking of crops, we must not overlook corn. The prolonged drought has caused permanent damage, but further injury has temporarily at least been arrested by recent rains. With favorable weather conditions from now until maturity, the damage will not prove serious.

Next Cannery Convention.

Some weeks ago we stated that New York City had been selected as the place for holding the next convention of the National Cannery Association and allied industries. Last week contracts were closed. Grand Central Palace will house the exhibits of the Canning Machinery and Supplies Association, and Hotel Astor has been chosen as official headquarters. We understand that the management of the Astor has promised the convention a minimum of four hundred rooms. Those desiring rooms at the headquarters should act quickly, as they will not last long. The probable date of the convention will be the week beginning February 7th.

Washington, D. C.—President Wilson has submitted to the Senate the name of Carl Schurz Vrooman, of Bloomington, Ill., as the successor to Dr. Beverly T. Galloway as Assistant Secretary of Agriculture. Mr. Vrooman was born October 25, 1872, in Macon, Mo., and his early education was obtained in the middle west. He attended Washburn College in Topeka, Kan., going from there to Harvard where he was a student from 1891 to 1894 and attained considerable prestige as a member of the debating club which met a similar club from Yale University in 1893. Mr. Vrooman sprang into national prominence following the year 1894 by his able articles on political and economic questions. He is the author of "Taming the Trusts," and "American Railway Problems," and others of his articles found their way into the magazines. At about this time he went abroad for the purpose of investigating and writing upon conditions in Europe. During the years 1898 to 1900, he was a regent of the Kansas State Agricultural College. At present he is engaged in scientific farming on more than two thousand acres of land in central Illinois and Iowa.



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A strain which cannot be surpassed for forcing; a robust grower, and produces immense flower spikes. Our seeds are saved from greenhouse grown specimens and give splendid results. Trade pkt., 40c.; \$4.00 per oz.

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Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—Palmer's, 304 Main St.
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Worcester, Mass.—Randall's Flower Shop, 3 Pleasant St.

"FULL MANY A FLOWER."

Aunt Lindy had brought around her three grandchildren for her mistress to see. The three little darkies, in calico smocks, stood squirming in line while Lindy proudly surveyed them.

"What are their names, Lindy?" her mistress asked.

"Dey's name' after flowers, ma'am. Ah name' 'em. De bigges' one's name' Gladiola. De nex' one, she name' Heliotrope."

"Those are very pretty," her mistress said. "What is the littlest one named?"

"She name' Artuhficial, ma'am."

—New York Evening Post.

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Cor. Broadway and Gratiot Aves.
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Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.
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We give Special Attention to Telegraphic
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Of Interest to Retail Florists

A STORE MAN'S VIEWS OF THE CUT FLOWER SITUATION.

By John C. Gracey, President, Retail
Florists' Association of Philadelphia.

What should be done to move the vast quantities of cut flowers that are being grown in late years with the continual increase of greenhouses?

The business will have to be placed on a more modern basis. I believe it is up to the grower and the commission man to do it. What I wish to condemn is their method of packing cut flowers and the number of flowers to the box. There are often 500 to 1000 of each variety to a box, and on account of this large number a store will not take a straight box as they arrive. Today they arrive with some attempt at grading, each grower having his own ideas and placed in the box by the handfulls, sometimes 50 at a time with paper separating them.

What should be done is to pack the roses, carnations, asters, dahlias and similar flowers so many to the box, I should say 200, or if they are extra choice 100, to adopt a more standard grade and place them in rows in the box. I have seen roses arranged that way twenty years ago and I know it helped the sale, especially after the bad petals had been removed. There can be no question that careful packing is a great aid to the sale.

I believe the best way of packing would be to use slat crates that will hold 10 to 20 boxes and sell the boxes direct to the storemen without re-handling them. Take as an illustration the dahlia situation in Philadelphia today. Inside of one hour from the time they arrive they are generally all sold. The reason is because they are packed so many to the box and plainly marked with number and variety, generally about 250 to the box. You know who the grower is, your order is placed in advance because you know what you are getting. The storeman can buy all the dahlias he wants in five minutes or less. The commission man makes one delivery a day with dahlias. Mr. Grower, you can hardly realize when I say the commission man will make from five to fifteen deliveries a day on other flowers. If other flowers were packed similar to dahlias I see no reason why more storemen would not visit the commission houses in the morning, as that is the only way to buy flowers—see what you are getting—and I believe all sales would be over by one P. M.

Now, as to the prices asked, that must be modernized. Take carnations, for instance, \$1.00, \$1.50, \$2.00, \$3.00 and so on up per 100. The jump is too great. The store man jumps his prices the same way. The result is more careful buying; the same with the retail customer. If

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Best Florists in the States as References
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BOSTON, MASS.



"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery
37-43 BROMFIELD STREET

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
1 Park St., Boston

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The Leading Florists'
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Catalogue Free on Application

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

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HARRY I. RANDALL, Proprietor

Phone: Park 84

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

FLORAL TRIBUTES.

Sent to Funeral of Mrs. Wilson By House of Representatives and Citizens of Knoxville, Tenn.



oranges, peaches, tomatoes and other perishable goods were sold as cut flowers are with such jumps in prices, the wholesale business in these lines would not be done in the same number of hours it is. Why not raise the price from 5 per cent. to 10 per cent. The storeman if he wants to be successful would do the same, which would create a continuous demand for our goods.

Mr. Grower, you are the main loser by your methods; the commission man is a loser due to the unsalable condition of your goods, rehandling which means bruising; extra help; extra deliveries. By the end of the week I do not believe the garbage man would receive so many flowers. The storeman wastes a great deal of his valuable time in a commission house waiting for the goods to be assorted before he can be waited on. Mr. Grower, just pay your commission man a visit during the dahlia season and see the difference it makes

for everybody, and I believe you will agree with what I say, "we are all losing by our present method."

A great many storemen do not visit the commission houses and, therefore, do not know what condition the market is in, or what quality of stock they can get and I believe it would certainly be to the advantage of the storeman to see what is in the market daily and to buy in such quantities that the above suggested method of packing stock can be carried out.

As a few final remarks, a great many will say it cannot be done. You all know you are doing things today you would not have thought of doing 20 years ago. I believe we are 20 years behind the times with our present system of selling goods, depending entirely on the demand and regulating prices accordingly. Let us create a continual demand, not letting exorbitant prices continually check our growth, but make our goods a necessity.

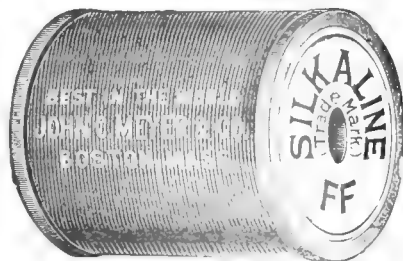
WASHINGTON NOTES.

Although it had been planned to conduct the funeral of Mrs. Wilson, wife of the President, and first lady of the land, along most simple lines, friends to perhaps the number of three hundred expressed their sympathy for the President through the medium of what proved to be the handsomest floral tributes ever seen in the National Capital, and the florists of this city alone produced upwards of one hundred and fifty designs, many of which were worthy of more than passing mention.

The largest number of designs were furnished by J. H. Small & Sons, although others of the local florists came in for a large share of the business.

Gude Bros. Company furnished upwards of thirty pieces, including the one for the United States House of Representatives which we illustrate herewith and which was said to have been one of the largest wreaths made in this city. It was of cattleyas, lily of the valley, white asters and American Beauty roses with a large base of American Beauty, asters and lilies.

Several large wreaths were furnished by William Marche & Company. O. A. C. Oehmler, the DuPont Flower Shop, Fred H. Kramer, and others of the local florists, furnished a half-dozen or more designs each. The florists began sending in their work to the White House as early as Friday night and so great was the rush that the attaches were forced to call a halt. It is said that more than fifty pieces had to be discarded on Monday before the funeral services because of the



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The Meyer Green

"SILKALINE"IS THE LONGEST AND STRONGEST
IN THE WORLD

And for sale by all the leading florists and supply houses throughout the land. If your jobber does not keep it, write direct to us and we will see that you are fully supplied.

Samples Sent Free

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing to orders kindly mention HORTICULTURE

G. E. M. Stumpff

FLORIST

761 Fifth Avenue
New York

F. T. D. Member

wilting of the flowers due to the intense heat. When informed of conditions the florists discontinued the sending of the wreaths, sprays, etc., and those which they had already made up were stored in their ice boxes and the others held over until late Sunday night or early Monday morning. It is also said that no greater display of flowers was ever made here, regardless of the occasion, and special provisions had to be made on the train which bore the body and the mourners to Rome, Ga., where interment took place.

A CORRECTION.

In a note in our issue of July 25, we listed C. C. Wagoner & Bro. as located at Louisville, Ky. This was incorrect as the proper address of this firm is 217 Second avenue, North, Nashville, Tenn.

REUTER'S Members Florists
Telegraph Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

**THE Florists' Supply
House of America**

H. BAYERSDORFER & CO.

1129 Arch St., Philadelphia, Pa.

FOUND AT LAST.

In many of our northern states, reaching from Massachusetts to Nebraska, it is often hard to find flowers suitable for Decoration Day. Wherever they can be had, peonies are in great demand; unfortunately they are very scarce that day. For ten years in succession we would have only hundreds the last of May, and thousands only a day or two after. LaEsperence (*Edulis Superba* really) would often be on hand. This is a beautiful fragrant pink; we could not always rely on this however. After testing hundreds of varieties for a good many years, we have found that *Umbellata Rosea* completely fills the bill and all along this range of northern states can be depended on. It is beautiful rose, sweet and winsome. It is somewhat rare and as soon as its characteristics and earliness are found out, there must be a large call for it. It is a free bloomer and a good multiplier, so that if the price is a little high it will soon make good.

C. S. HARRISON

York, Neb.

Lacrosse, Wis.—Anna Guillaume, a florist, has started suit against the Wisconsin Light and Power Company for \$925. She alleges in her complaint that a gas service main under the hot house in Sixth street was shut off Feb. 28, 1913, and that in repairing it, the workmen allowed noxious fumes to circulate in the greenhouse, causing the death of plants valued at \$750.

CHICAGO

And Neighboring Towns

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Will take care of all your orders for designs or cut flowers.

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NEW CROP BEAUTIES

\$1.00-\$3.00 Per Dozen

Splendid Stock, Fine Foliage, Flowers of a
Good Size and Color

The Leo Niessen Co.

WHOLESALE FLORISTS

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want to find a market for
your product

want a regular or special
supply of the product of
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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI August 17		CHICAGO August 10		BUFFALO August 10		PITTSBURG August 10	
Roses								
Am. Beauty, Special.....	..... to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00
“ “ Fancy and Extra.....	80.00 to 25.00	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00	10.00
“ “ No. 1.....	15.00 to 20.00	5.00	to 10.00	8.00	to 12.00	6.00	to 8.00	8.00
Killarney, Richmond, Extra.....	..... to 6.00	5.00	to 6.00	3.00	to 6.00	6.00	to 8.00	8.00
“ “ Ordinary.....	2.00 to 4.00	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00	4.00
Hillingdon, Ward, Sunburst, Extra.....	..... to 6.00	5.00	to 6.00	4.00	to 6.00	6.00	to 8.00	8.00
“ “ Ordinary.....	2.00 to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	4.00
Maryland, Taft, Extra.....	..... to 6.00	5.00	to 6.00	4.00	to 6.00	6.00	to 8.00	8.00
“ “ Ordinary.....	2.00 to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	4.00
Russell, Shawyer.....	2.00 to 6.00	4.00	to 20.00	5.00	to 8.00	.....	to .....	.....
Carnations, Fancy.....	..... to 1.00	1.50	to 2.00	1.00	to 1.50	.....	to 2.00	.....
“ “ Ordinary.....	..... to .50	.50	to 1.00	.....	to .....	.....	to 1.00	.....
Cattleyas.....	..... to	30.00	to 35.00	25.00	to 35.00	40.00	to 50.00	.....
Lilies, Longiflorum.....	10.00 to 12.50	6.00	to 8.00	6.00	to 10.00	.....	to 10.00	.....
Lily of the Valley.....	..... to 4.00	3.00	to 4.00	.....	to 4.00	2.00	to 4.00	.....
Asters.....	2.00 to 4.00	1.00	to 4.00	.50	to 2.50	.75	to 3.00	.....
Gladioli.....	2.00 to 6.00	2.00	to 4.00	1.50	to 4.00	2.00	to 4.00	.....
Corn Flower.....	..... to .....	.....	to .....	.....	to .....	.....	to .....	.....
Daisies, white and yellow.....	..... to .....	.25	to .50	.....	to .....	.....	to .....	.....
Sweet Peas.....	..... to .....	.....	to .....	.20	to .40	.....	to .....	.....
Gardenias.....	..... to .....	.....	to .....	.....	to .....	.....	to .....	.....
Adiantum.....	..... to 1.00	.....	to 1.00	.75	to 1.50	1.00	to 1.25	.....
Smilax.....	..... to 12.50	12.00	to 15.00	.....	to 15.00	10.00	to 15.00	.....
Asparagus Plumosus, Strings (100)..... to	40.00	to 50.00	to 40.00	40.00	to 50.00
“ “ & Spren. (100 bchs.)..... to 25.00	25.00	to 35.00	to 35.00	30.00	to 40.00

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Wholesale Florists

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WHOLESALE

Plantsmen and Florists

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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

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Flower Market Reports

BOSTON While the market has been flooded this week both with convention visitors and an abundant supply of flowers business shows little improvement over last week and market conditions are away behind the corresponding week of last year. The new crop of carnations has made its appearance and while flowers are of a good quality stems are short and it has little if any commercial value. The same may be said of roses but judging from present indications both give promise of an excellent crop later. Easter lilies are of fine quality and are worth much more than they are bringing at the present time. Lily of the valley are plentiful and the quality is excellent.

There was very little business the past week; in fact it was a dull one. The market is well supplied on quite everything and sales are much disappointing. Speculative buying was out of the question and no large amount of anything could be disposed of no matter how cheap. This applies to gladioli which were had in large abundance. There are enough of the poor quality of asters and not enough fancy. The late varieties have not come in as yet though next week they are looked for. There are too many lilies and too many poor roses. The best pink roses are Marylands and the best white are the Double White Killarney. Beauties are good though sales are also slow. There is plenty of everything to supply the light demand during these summer days. A reaction cannot come too soon.

CHICAGO Warm weather, a heavy supply and very slow demand. Business drags along in a listless way. The latter part of last week, however when the weather turned cool, trade began to pick up with the result that by Saturday night the market was cleaned up in much better shape than has been the case for weeks. Prices remain practically the same as last week, but quotations as listed have ruled quite firm. Roses, though still plentiful, have ceased to be a glut. The quality in most items has improved. Killarney both pink and white may be had in all length up to thirty-inch stem; the longer length, however, is limited. In novelties the list is growing. The latest addition is Ophelia and Prince d' Arenberg. Mrs. Russell is still the leading summer rose. Mrs. George Sawyer is improving daily and is now offered in various grades up to twenty-four-inch length of stem. Sunburst and Bulgaria are both in good supply and enjoy a good demand, and so does My Maryland. Beauties are still quite plentiful with prices rather low, considering quality. However the demand is about equal to the supply, and accumulations are not serious. The glut of the early asters is past; recent heavy rains have rendered most of the remaining crop worthless. Of the late or mid-season varieties there is little in evidence yet. Most of the offerings in good asters are those grown under glass, although a few very fine field-grown

GLADIOLI



Due to the good rains we had in July our Gladiolus growers are cutting the finest spikes of this **grand summer flower** that we have ever received. For any purpose they are among the best flower you can use.

Best varieties \$2.00, \$3.00, and \$4.00 per 100. **Special** 500 lots, \$7.50.

CHRYSANTHEMUMS

A few of the early yellow. Good Quality. \$2.00 per dozen.

ASTERS

They are fine at this time of the year. \$1.00, \$1.50 and \$2.00 per 100.

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1608-1620 Ludlow Street

NEW YORK
117 W. 28th Street

BALTIMORE
Franklin & St. Paul Streets

WASHINGTON
1216 H Street, N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON August 20	ST. LOUIS August 17	PHILA. August 17
Roses			
Am. Beauty, Special	15.00 to 20.00	20.00 to 25.00	18.00 to 25.00
" " Fancy and Extra	6.00 to 12.00	15.00 to 18.00	10.00 to 15.00
" " No. 1	2.00 to 4.00	5.00 to 10.00	5.00 to 8.00
Killarney, Richmond, Extra	3.00 to 6.00	4.00 to 6.00	3.00 to 6.00
" " Ordinary	.25 to 2.00	2.00 to 3.00	1.00 to 2.00
Hillingdon, Ward, Sunburst, Extra	3.00 to 6.00	5.00 to 6.00	3.00 to 6.00
" " Ordinary	.50 to 2.00	3.00 to 4.00	1.00 to 2.00
Maryland, Taft, Extra	3.00 to 6.00	4.00 to 6.00	4.00 to 5.00
" " Ordinary	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00
Russell, Shawyer	3.00 to 12.00	3.00 to 10.00	3.00 to 8.00
Carnations, Fancy	.75 to 1.00	2.00 to 3.00	... to 2.00
" " Ordinary	.50 to .75	.75 to 1.00	... to 1.00
Cattleyas	20.00 to 35.00	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum	4.00 to 6.00	6.00 to 8.00	8.00 to 12.00
Lily of the Valley	2.00 to 3.00	2.00 to 5.00	3.00 to 4.00
Asters	.15 to 1.00	1.00 to 3.00	.50 to 2.50
Gladioli	1.00 to 2.00	1.00 to 4.00	1.00 to 3.00
Corn Flower	... to .25	.25 to .40	... to .50
Daisies, white and yellow	... to .50	.75 to 2.00	... to ...
Sweet Peas	.10 to .25	.20 to .40	... to .50
Gardenias	... to ...	... to ...	... to ...
Adiantum	7.50 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 15.00	10.00 to 12.50	... to 15.00
Asparagus Plumosus, Strings (100)	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" " & Spreng. (100 Bchs.)	10.00 to 35.00	15.00 to 25.00	25.00 to 35.00

blooms may be had. Gladioli are less plentiful and meet with somewhat better demand. Lilies are still in large supply and demand quite active. In lily of the valley offerings are not large and prices hold stiff. Carnations from new crop under glass are now coming in with very good blooms and fair length of stem. Field-grown stock is more or less damaged by heavy rains.

CINCINNATI Business has been rather slow and judging from present market business this week will follow in the footsteps of last week. A good many of the gladioli offered now are the best we have had this year. They bring, however, a very poor price. The poorer grades have practically no market at all. More large asters are received than came in a week ago and they have a fair market. The rose supply continues large in every variety and still meet with the same slow call. Lilies are plentiful and fine. The first cosmos made its appearance last week.

The local market has **ST. LOUIS** about anything the season offers, the bulk being of excellent quality but too much of it is coming in for the demand which seems to be lighter than in any summer known. Prices are low on all stock. Roses are more plentiful than any other flower at present. These are followed by gladioli and asters, of which the market has many more than the wholesalers can handle. Outside of these not much of anything is coming in. Lilies are fine and single tube roses are commencing to come along.

BOSTON CO-OPERATIVE FLOWER MARKET.

The eleventh annual sale of choice of stalls in this market is announced for Saturday, September 5, at the headquarters, 260 Devonshire street, Boston. As usual, W. W. Tailby will "wield the hammer."

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Choice Cut Flowers,

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Madison Square **New York**

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{ 609 }

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GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Tel. 759
Mad. Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

		Last Half of Week ending Aug. 15 1914		First Half of Week beginning Aug. 17 1914
American Beauty, Special	12.00 to 15.00	12.00 to 20.00		
" " Fancy and Extra	8.00 to 10.00	8.00 to 10.00		
" " No. 1	2.00 to 6.00	2.00 to 6.00		
Killarney, Richmond, Extra	2.00 to 5.00	2.00 to 4.00		
" Ordinary	.25 to 1.00	.25 to 1.00		
Hillingdon, Ward, Sunburst, Extra	2.00 to 5.00	2.00 to 4.00		
" Ordinary	.25 to 1.00	.25 to 1.00		
Maryland, Taft, Extra	2.00 to 5.00	2.00 to 5.00		
" Ordinary	.25 to 1.00	.25 to 1.00		
Russell, Shawyer	2.00 to 8.00	2.00 to 8.00		
Carnations, Fancy Grade	.75 to 1.00	.75 to 1.00		
" Ordinary	.50 to .75	.50 to .75		

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CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, - NEW YORK

Telephone 7062 Madison

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1664 } Madison Square
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CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.

Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD
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Ample reference furnished as to standing and financial ability of the company.

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Still Going Strong.

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Opens 6 A. M. daily.

Telephone, 167 and 4468 Mad. Sq.



Established 1887

1914

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What Have You to Offer for Coming Season?

I have an unlimited market for any variety of flowers, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-seven years in the Cut Flower Commission Business.

Write for information or call and talk it over

J. K. ALLEN

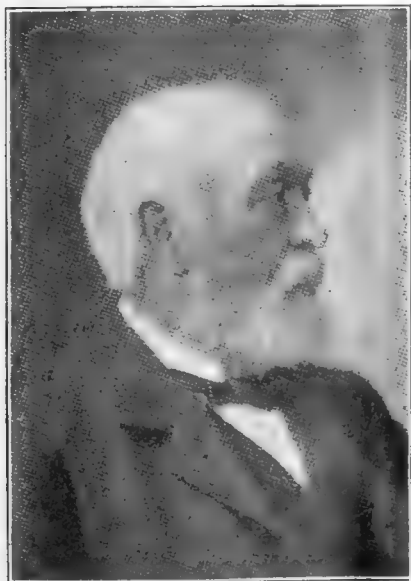
106 West 28th Street, : : : : : NEW YORK

Telephone 167 and 4468 Madison Square

Obituary

George Dickson.

George Dickson, 83 years old, and head of the firm of Alex. Dickson &



GEORGE DICKSON.

Sons, Ltd., Newtonards, Ireland, died on Thursday, August 13. Mr. Dickson retired from active labor some time ago, but his personal inter-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 15 1914		First Half of Week beginning Aug. 17 1914	
Cattleyas.....	15.00	to 35.00	15.00	to 40.00
Lilies, Longiflorum.....	2.00	to 3.00	2.00	to 3.00
Rubrum.....	2.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Asters.....	.25	to 1.00	.25	to 1.00
Gladioli.....	1.00	to 2.00	.50	to 1.00
Corn Flower.....	.....	to .25	.....	to .25
Daisies, white and yellow.....	.....	to .50	.....	to .50
Sweet Peas (per 100 bunches).....	1.00	to 5.00	1.00	to 5.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00
Adiantum.....	.50	to .75	.....	to .50
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	25.00	to 35.00
& Spren (100 bunches).....	15.00	to 20.00	15.00	to 20.00

est in the work as carried on by his sons was unabated. One of the sons, Alexander, is well and favorably known here, having visited this country on several occasions, on one of which he was accompanied by his father, who quickly made many sincere friends in the trade here.

George Dickson was one of the recipients of the coveted Victorian Medal. He also received in 1912 the Dean Hole Memorial Medal. He was president of the Newtonards Horticultural Society for over half a century. Too much cannot be said of his eminent services to the rose business in America, not to mention his home benefactions for to his firm we are indebted for Killarney, Liberty, Melody, Fire Flame and other roses that stand high with our rose forcers. Culinary peas and sweet peas of much merit also emanated from his establishment. Mr. Dickson was a

gentleman, whose personality quickly touched the heart of those who met him personally. He was beloved as a father by the young men who enjoyed the benefit of his acquaintance and was well worthy of the respect of horticulturists everywhere for his sterling character.

William H. Diehl.

William H. Diehl, aged 45 years, for the past ten years in the employ of Penn. the Florist, Boston, Mass., was drowned in Hancock Lake, Sebago, Maine, early Thursday evening, while fishing. He is survived by two brothers and three sisters.

Annie C. Norman.

Annie C. Norman, daughter of Ed. J. Norman, superintendent of the Westinghouse estate at Lenox, Mass., died of diabetes on August 7, aged 27 years.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS PLUMOSUS NANUS

Collingdale Greenhouses, Collingdale, Pa.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and Florence Davenport. 2½ in. pots. Delivery from May 15th. JULIUS ROEHR'S CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., New York City.

King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.
French Bulbs.
For page see List of Advertisers.

Peter Henderson & Co., New York City.
Superior Bulbs

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Calla Bulbs.

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Thousands of plants from 6 in.-9 in. pots, covered with flowering buds—in many varieties. JULIUS ROEHR'S CO., Rutherford, N. J.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Leo Niessen Co., Philadelphia, Pa.
Field Grown Carnation Plants.

FIELD GROWN CARNATIONS

Ready Now.
Best stock we have ever had of the
Novelties and Standards.
Write for prices.
CHARLES H. TOTTY, MADISON, N. J.

FIELD GROWN CARNATIONS.

850 Pink Delight; 500 White Wonder;
1000 Windsor; 500 Beacon; 300 Renora.
Will sell the lot reasonable. Write or telephone JOHN T. HOWELL, 139 Summer St., Watertown, Mass. Telephone connection.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CHRISTMAS PEPPERS

Christmas Peppers Birdseye, extra fine stock plants in bloom, 2½ in., \$2.50 per 100; 4 in. in fruit, \$6.00 per 100. CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.

CROTONS.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nabant, Mass.
For page see List of Advertisers.

Cyclamen, best German strain, in fine assorted colors; good stock out of 2½ in. pots at \$5.00 per 100. J. H. FIESSER, North Bergen, N. J.

Cyclamen from 3½ in. pots, \$15.00 per 100; 4 in., \$25.00 per 100; 5 in., \$50.00 per 100. Finest strain, separate colors. JULIUS ROEHR'S CO., Rutherford, N. J.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Frank Oechslin, Chicago, Ill.
Ferns for Dishes.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechslin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

Frank Oechslin, Chicago, Ill.
Ferns for Dishes.

For List of Advertisers See Page 271

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co., Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Pelree, Waltham, Mass.
Pelree Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

Syracuse Pottery, Syracuse, N. Y.
Syracuse Red Pots.

FORCING FRAMES

Geo. N. Barrie, Brookline, Mass.
Glass and Wooden.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

Geraniums, La Favorite, Perkins, Jean Oberle, Ricard, Landry, Col. Thomas, Dagata, Vland, \$2.00 per 100, \$18.50 per 1000. Clair Frenot, Luigi Grandi, Mrs. E. G. Hill, Poltevine, Mrs. Annie Vincent, \$2.50 per 100, \$20.00 per 1000. Ruby \$4.00 per 100. S. A. Nutt at the special price of \$1.75 per 100, \$16.00 per 1000. The above is all fine stock in two inch pots. Write for Catalogue, F. H. DEWITT & COMPANY, Wooster, Ohio.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

Charles Millang, New York City.
Early Blooming Gladioli.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

G. S. Bennett & Co., Philadelphia, Pa.
Greenhouse and Hot-Bed Glass.

Johnson Brokerage Co., Pittsburg, Pa.
Hand-Made Greenhouse Glass.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. **FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa.** Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

Stearns Cypress.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

A. Dietsch Co., Chicago, Ill.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

John C. Moninger Co., Chicago, Ill.
"All Steel" Curved Eave Greenhouses.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L. MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.

"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

Hammond Slug Shot Works, Beacon, N. Y.
Hammond's Grape Dust.
For page see List of Advertisers.

IRIS**THE IRIS! THE IRIS!**

200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per root. Some of the finest on earth. Send 10 cents for Iris manual. **C. S. HARRISON SELECT NURSERY, York, Nebr.**

IRIS! IRIS! IRIS!
Best Varieties. Strong Clumps.
German, Mixed \$8.00 per 1000
Japanese, Mixed 10.00 per 1000
While they last.

FOX HALL FARM,
R. F. D. No. 2, Norfolk, Va.

JERUSALEM CHERRIES

Jerusalem Cherry, out of 2 1/2 in. pots at \$3.00 per 100. J. H. FIESSER, North Bergen, N. J.

Jerusalem Cherries, fine strong and bushy plants ready for a 4 in. shift. Fra Diavola (new) and Capsicastrum, 2 1/2 in., \$2.50 per 100; \$22.00 per 1000; 4 in., extra fine, \$6.00 per 100. **CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.**

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON
Lemon Oil Co., Dept. J., Baltimore, Md
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILIU FORMOSUM
Yokolama Nursery Co., New York City.

LILIU HARRISH
F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

LILY BULBS
Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.
Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteuma.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS
August Rolker & Sons, New York City.

MASTICA
F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK
The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN
National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"
Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.
Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEN
Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA
Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK
P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.
W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.
August Rolker & Sons, New York City.
For page see List of Advertisers.

Isaac Hicks & Son, Westerly, L. I., N. Y.
H. L. Trees.

ONION SETS
Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS
Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS
Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

PALMS, ETC.
A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.
August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

PANSY SEED

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.

A. T. Boddington, New York City
Gigantic Pansy Seed.
For page see List of Advertisers.

PEONIES.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.
Gold Medal Peonies.
For page see List of Advertisers.

S. G. Harris, Tarrytown, N. Y.
For page see List of Advertisers.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Specialist,
Chenonceaux, France.

Peonies: Marie Lemoine and other fine
varieties. Write for list. THOMAS J.
OBERLIN, Sinking Spring, Pa.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

POINSETTIAS

A Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

PRIMULA MALACOIDES

A. L. Miller, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

ROSES—Continued

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONRAD & JONES COMPANY,
West Grove, Pa. Send for offers.

M. H. Walsh, Woods Hole, Mass.
Gems Among Forcing Ramblers.

E. W. Breed, Clinton, Mass.
Rambler Roses.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Giant Pansy Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Mignonette Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Mignonette and Pansy Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Burnett Bros., New York City.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.

For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

Charles J. Jager Co., Boston, Mass.
Sprinkling, Irrigation and Water Supply
Outfits.

For page see List of Advertisers.

SNAPDRAGONS

SNAPDRAGONS—Rooted Cuttings, Silver Pink \$1.00 per 100; 2 1/4-in., \$2.00 per 100.
PINE GROVE FLORAL CORP., 35 Hudson St., Lynn, Mass.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. LAGER & HURRELL, Summit, N. J.

For List of Advertisers See Page 271

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Burnett Bros., New York City.
Pot-Grown.
For page see List of Advertisers.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphiae Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-37 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued**New York—Continued**

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West
28th St.

For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.

For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.

For page see List of Advertisers.

M. C. Ford, 121 West 28th St.

For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12
Ludlow St.

For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.

For page see List of Advertisers.

New Offers In This Issue**FALL BULBS.**

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

FANCY AND DAGGER FERNS.

Crowl Fern Co., Milborton, Mass.
For page see List of Advertisers.

GLADIOLI.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

JAPANESE BAMBOO CANES.

Stumpff & Walter Co., New York City
For page see List of Advertisers.

LIGHTING PLANTS.

Country Engineering Co., New York City
For page see List of Advertisers.

LILIUM HARRISII. FERNS AND ROSES.

F. R. Pierson Co., Tarrytown on Hudson,
N. Y.

For page see List of Advertisers.

MIGNONETTE.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

NEW CROP BEAUTIES.

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

NEW SWEET PEA MARGARET ATLEE.

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

ORCHIDS, PALMS, FRUIT TREES, ROSES AND CYCLAMEN SEED.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

For page see List of Advertisers.

PALMS AND FERNS.

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

NEW OFFERS—Continued**PEONIES.**

Low's Sons, Inc., West Newbury,
Mass.

For page see List of Advertisers.

POT GROWN STRAWBERRY PLANTS.

C. S. Pratt, Reading, Mass.
For page see List of Advertisers.

SEEDS, PLANTS, BULBS.

Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

SEEDS, BULBS, PLANTS.

August Rolker & Sons, New York City.
For page see List of Advertisers.

SILKALINE.

Ever Thread Co., Lowell, Mass.
For page see List of Advertisers.

SPECIAL OFFER OF ASTILBES AND SPIRÆAS.

At Nurseries Bar Harbor, Me.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 11 Hamilton Place, Boston.

SITUATIONS WANTED

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GRAPE DUST is easily diffusible, light weight powder, Fungicide, for destroying Mildew and preventing Blights; also for destroying the Aphis and Black Fly. It is packed in 5 and 10 pound packages, also in 25 pound bags, 100 pound kegs, and barrels of 225 pounds, net. Kept in stock and sold by the leading Seedsmen of America. Dust by use of bellows.

EXPERIENCE OF FLORISTS AND GARDENERS

MILDEW ON ROSES, CARNATIONS, ETC. IT IS SIMPLE AND EASILY APPLIED

ROBERT SIMPSON, Rose Grower.

Clifton, N. J., Oct. 11th, 1907.

Dear Mr. Hammond: In reply to your inquiry regarding my experience with "Grape Dust," would say that I am glad to be able to say a good word for the article in question, because I have found it so generally satisfactory when used for Mildew on roses. I do not know anything about its constituents, nor do I care so long as it does the work and is as economical as anything else on the market. During the summer when the steam pipes cannot be brought into use to check Mildew, and dusting over the foliage has to be resorted to, we prefer to use Grape Dust rather than Sulphur, because it is much lighter and finer in texture; a given number of pounds will cover more than twice the number of plants; will cover them more thoroughly, and can be put on with a bellows in about one-fourth the time that would be required for Sulphur. The fact that I have used it continuously for ten or twelve years should prove to you that I consider it the best article on the market for the purpose for which it is used.

With best wishes, I am yours very truly,

ROBERT SIMPSON.

First used in California in 1890 at Menlo Park, San Mateo County.

S. G. BENJAMIN, Wholesale and Retail Florist.

Fishkill, N. Y., Jan. 8, 1914.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your inquiry, I have known and used your "Grape Dust" in the greenhouse for the past 25 years, and have found it excellent in preventing and keeping down Mildew and other fungus diseases, also found it would prevent and keep down the ravages of the Red Spider on Carnations and other plants. Have used it with success for Mildew on Grape Vines grown under glass.

Yours, etc., S. G. BENJAMIN.

Poughkeepsie, N. Y., Jan. 25th, 1912.

Benjamin Hammond, Esq.

Dear Sir: Please send me 25 lbs. "Grape Dust" as soon as possible. I find it is the only thing for Mildew on Roses. We have used it successfully for many years past.

Very truly, CONRAD C. GINDRA.

HAMMOND'S SLUG SHOT WORKS, BEACON, (Fishkill on Hudson) N. Y.

PUBLICATION RECEIVED.

Standard Cyclopedia of Horticulture by L. H. Bailey. Volume II of Professor Bailey's big work is now ready. As explained in our notes on Vol. I, published last spring, this new edition is much more than a mere revision of the original Cyclopedia, for, while it retains a large part of the contents of the old work, it has been greatly enlarged and added to, and many of the genera have been entirely rewritten. Vol. II comprises topics from C to E. Glancing through its pages we find the extended elaboration noted in Vol. I conspicuous throughout. For example, in the older edition four pages were devoted to the subject of plant diseases and seven to insects, whereas in the volume now issued these two important topics have been wisely combined under the caption of "Diseases and Insects" and fill forty pages, the catalogue being very complete with minute descriptions for identification and ample directions for combating these pests of the cultivator. In like manner we might instance the genus Euphorbia, extended from four to eight pages, Dendrobium from four to nine, Clematis from six to ten, Eucalyptus from seven to twelve, Cam-

panula from eight to sixteen, Crataegus from three to ten pages, etc., as showing how greatly the original Cyclopedia has been added to and its usefulness enhanced. To say that the old work which has filled so important a place and served its purpose so well in the past has been greatly improved upon is to put it mildly. A vast amount of up-to-date information has been introduced from the best sources obtainable. Many new genera have been incorporated. There are 770 figures and 19 full-page plates, of which 4 are in colors. The MacMillan Company of New York, who are the publishers, are rendering an inestimable service to the horticultural world in putting this treasury of knowledge into their hands in such excellent and attractive form.

The August meeting of the New London Horticultural Society was held on the 13th inst. Dr. Chas. B. Graves, New London's well-known botanist, was the speaker, his subject being The Wild Plants of New London and Vicinity. The rooms were packed and a great variety of wild flowers were exhibited by the members, among them being a fine vase of the Yellow Fringed Orchis (*Habenaria ciliaris*). The Aster show is to be held on the 26th inst. at Ocean Beach. The next will be September 10th, the subject being "Fruits." H. E. L.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held its first out-door meeting on Thursday afternoon, Aug. 13th, in Webster Grove, on the grounds of the Canon Floral Co. This, with the election of officers and S. A. F. matters brought out a very large attendance. Most of the members made the trip in their automobiles. Mr. Windler, the state vice-president of the S. A. F., was instructed to report back the proceedings of the affiliation meeting at Boston so that the club could take action at its next meeting. Jules Bourdet for president, W. S. Wells for vice-president, J. J. Beneke for secretary and W. C. Smith for treasurer were all re-elected by unanimous vote. W. A. Rowe was elected trustee. William C. Young exhibited a vase of blooms of a new dark pink Canna which the members thought would be a good one.

The meeting then adjourned to the home of John Cannon nearby where a nice spread was set. At the finish a hearty vote of thanks was given Mr. Cannon for the afternoon's pleasure. The August meeting of 1914 will be long remembered by those who attended.

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 1 qt., 35c.; 1/2 gal., 60c.; 1 gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; 1 barrel, per gal., 65c.

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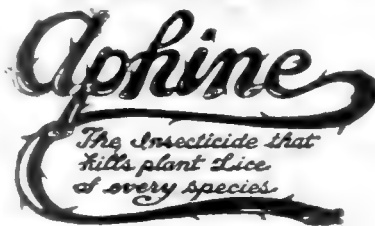
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The Recognized Standard Insecticide For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

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For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

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For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

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Century and a Half**HEWS STANDARD POTS**World's Largest
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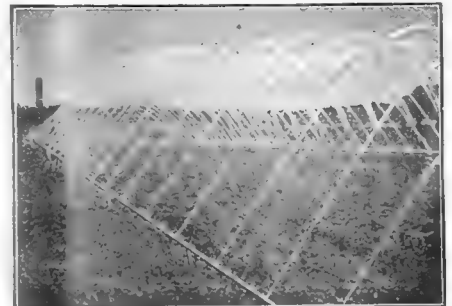
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No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$150.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
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70	8 in.	.20	3.50	28.00

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Write us of your needs and conditions
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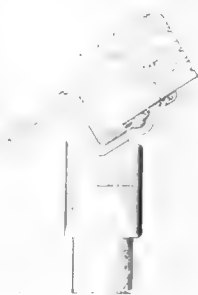
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is made of cast
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rust. That part
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house which in
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tions is the weak-
est becomes the
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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

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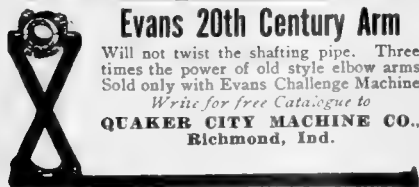
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The great variety of boilers that we make places us in a commanding position. We make every type of boiler that is used, from the smallest house heater to the largest water tube steam boiler 200 horsepower. For the above reason we can furnish the most efficient boiler unit in every case.

It is the Kroeschell principle to supply only that type of boiler which is best suited to the conditions, and under no circumstances do we take any other stand.



Every Boiler of the Highest Standard

MATERIAL—governed by Kroeschell specifications—the best that money and brains can produce. **WORKMANSHIP**—the kind that is an inspiration to all boiler makers. **BOILER EFFICIENCY**—determined by actual tests under working conditions. **BOILER RATINGS**—honest and true blue—guaranteed actual working capacities.

Probably you have wondered why the Kroeschell Greenhouse Boiler is not sold by any of the greenhouse material and construction companies. In justice to all concerned we feel it is our duty to state that the Kroeschell Boiler is never sold by any one but The **KROESCHELL BROS. CO.** We have no agents, and as our prices are based on sales direct from factory to user, we do not quote anyone dealing in boilers special resale prices. Our stand in this matter has brought out a lot of competition; nevertheless, the great efficiency of the Kroeschell Greenhouse Boiler cannot be disputed, and in spite of the keen competition the Kroeschell Greenhouse Boiler is heating more glass than any other make.

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Kroeschell Bros. Co.

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YOU look out the window some day and see two men go past. One is of chunky solid build, and he hustles perspiring along with a great swinging of his arms. He impresses you as a man who is going to get there "if it takes a leg."

Man number two is of a slighter build. He walks with a light springiness. He does not seem in a great hurry. There is no lost motion in his movements however. No swinging of arms, but he is getting there just as fast as the other fellow. In fact he is actually walking faster.

If you and I could follow those two men throughout the day, man number two (the light, wiry one) would always be easily overtaking the thick set one. Always he would pass him.

It's exactly the same with greenhouse construction. The light, U-Bar constructed house, beats all other constructions when it comes to actual growing results. Its slender strong frame of U-Bars, has all the strength of the heavy framed houses, but none of the lost motion in actual getting of results.

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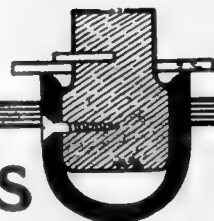
To get a point by point pointing out, of the excelling points of the U-Bar house, send for the new catalog; or send for us; or both.



U-BAR GREENHOUSES
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HORTICULTURE

VOL. XX

AUGUST 29, 1914

ANNUAL No. 9



Executive Board of the Society of American Florists and Ornamental Horticulturists,
in Session at Boston

Published Every Saturday at 11 Hamilton Place, Boston, Mass.
Subscription, \$1.00.

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Our stock of decorative plants is fully equal to the usual Dreer standard. We offer a most complete line of sizes in all of the leading sorts. A personal inspection is solicited whenever possible. We are positive that you will find a personal visit to our nurseries both entertaining and profitable.

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A splendid lot of 3-inch pots, 3 plants in a pot. A most useful size that meets with ready sale. \$1.25 per doz.; \$10.00 per 100; \$90.00 per 1000.

4-inch pots, 3 plants in a pot, \$3.50 per doz.; \$25.00 per 100

6 " " " " 1.00 each

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We have nearly an acre of glass devoted to this most graceful of all Palms. Splendid, thrifty stock, of rich dark color.

2-inch pots, 5 to 6 inches high, \$1.50 per doz.; \$10.00 per 100

3 " " 8 to 10 " 2.00 per doz.; 15.00 per 100

5 " " 18 to 24 " splendid plants, 75 cts. each

7 " " 34 to 38 " grand specimens, \$2.50 each

9 " " 36 " " 5.00 each

Large specimens, \$10.00 and \$15.00 each.

KENTIA BELMOREANA.

	Doz.	100	1000
2 1/4-inch pots, 4 leaves, 8 to 10 inches high..	\$1.50	\$10.00	\$90.00
3 " " 5 " 12 " ..	2.00	15.00	140.00
4 " " 5 " 15 " ..	4.50	35.00	

	Each
5 " " 6 to 7 " 18 to 20 " ..	\$0.75
6 " " 6 " 24 " ..	1.00
6 " " 6 to 7 " 28 to 30 " ..	1.50
7-in. tubs, 6 to 7 " 36 to 38 " ..	3.00
8 " " 6 to 7 " 42 to 45 " ..	4.00
8 " " 6 to 7 " 45 to 48 " ..	5.00

KENTIA FORSTERIANA—SINGLE PLANTS.

	Doz.	100	1000
2 1/4-inch pots, 4 leaves, 8 to 12 inches high..	\$1.50	\$10.00	\$90.00
3 " " 4 to 5 " 12 to 15 " ..	2.00	15.00	140.00

	Each
5 " " 5 to 6 " 24 " ..	\$0.75
6 " " 6 " 28 to 30 " ..	1.00
6 " " 6 " 34 to 36 " ..	1.50
7 " " 6 to 7 " 38 to 40 " ..	2.00
7-in. tubs, 6 to 7 " 40 to 42 " ..	3.00
8 " " 6 to 7 " 45 to 48 " ..	4.00
8 " " 6 to 7 " 48 " ..	5.00
10 " " 6 to 7 " 4 1/2 to 5 feet high.....	6.00
11 " " 6 to 7 " 5 to 5 1/2 " ..	8.00
10 " " 6 to 7 " 5 1/2 to 6 " ..	10.00
12 " " 6 to 7 " 6 1/2 to 7 " ..	15.00
14 " " 6 to 7 " 7 " ..	20.00

KENTIA FORSTERIANA—MADE-UP PLANTS.

	Each
5-inch pots, 4 plants in a pot, 18 to 20 inches high.....	\$0.75
7-inch tubs, 3 plants in a tub, 36 " ..	2.50
7 " " 3 " 38 " ..	3.00
8 " " 3 " 40 to 42 " ..	4.00
8 " " 3 " 42 to 45 " ..	5.00
8 " " 3 " 4 to 4 1/2 feet high.....	6.00
9 " " 3 " 4 1/2 to 5 " ..	8.00
10 " " 3 " 5 to 5 1/2 " ..	10.00
12 " " 3 " 5 1/2 to 6 " ..	15.00
13 " " 4 " 6 1/2 to 7 " ..	heavy. 20.00
15 " " 4 " 7 " ..	25.00
15 " " 4 " 10 " ..	35.00

KENTIA SANDERIANA.

Comparatively new and one of the most graceful and hardiest of the Kentias.

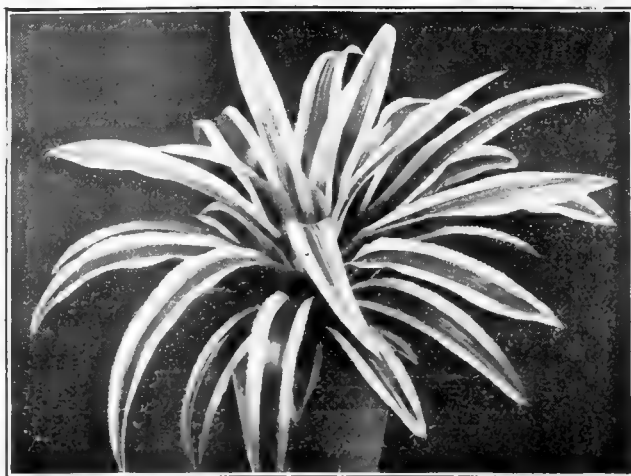
	Each
3-inch pots, bushy made up plants, 10 to 12 inches high.....	\$0.50
4 " " " 12 to 15 " ..	.75
5 " " " 24 " ..	1.25

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LIST OF ADVERTISERS

Page	Page	Page	Page	Page	Page
Advance Co.347	Champion, J. N.333	Froment, H. E.338	Lager & Hurrell.325	Pierston, A. N.316	Smith & Hemen-
Albany Cut .....338	& Co. ....333	Galvin, Thos. F.333	Lemon Oil Co. ....345	Pierston, F. R. Co.334	way Co. ....328
Flower Ex. ....338	Childs, John .....330	Gasser Co., J. M.333	Leonard Seed Co.331	Plant Food Co., ..345	Smith, W. & T. ....327
Allen, J. K. ....338	Lewis .....330	Graham Adam & Son .....332	Loechner & Co.315	20th Century.345	Nursery Co. ....327
Anderson, S. A.333	Clarke's D. Sons.332	Gude Bros. Co.333	Lord & Burn-	Plantlife Co. ....345	Smyth, Wm. J. ....332
Aphine Mfg. Co.345	Cowee, W. J. ....336	Hall Association.346	ham Co. ....348	Poehlmann Bros. 327-336	Stamford Seed & Co. ....331-334
Aschmann, G. ....316	Craig, Robt. Co.316	Hall & Robin-	May & Co., L. L.333	Storrs & Harri-	son .....316
Asmus, Geo. ....324	Critchell, C. E. ....336	son .....333	McCarthy, N. F. & Co. ....326	Stumpp, G. E. M.332	Stumpp & Wal-
Ayres Co., S. ....331	Crowl Fern Co.329	Hart, Geo. B. ....338	McConnell, Alex.332	ter Co. ....325-345	Thorburn, J. M. & Co. ....331
Badgley, Riedel & Meyer ....338	Dards .....332	Heacock, Jos. ....325	McKenna & Son, P. ....333	Reed & Keller. ....338	Thurlow, T. C. & Sons Co. ....316
Barrie, Geo. N. ....347	Davenport, A. M.316	Henderson, A., & Co. ....316	McManus, Jas. ....338	Raid, Edw. ....336	Traendly & Schenck .....338
Barrows & Son.316	DeRuyter & Hogewoning ..325	Hess & Swoboda.332	Meyer, John C. Co. ....335	Router's .....334	Valentine, J. A. ....332
Bayersdorfer, H. & Co. ....325	Dorner, F. & Sons Co. ....316	Hicks, Isaac & Sons .....326	Meyer, Chas. F.315	Rice, M. Co. ....333	Vick's James Sons .....331
Bay State Nurseries .....327	Dreer, H. A. ....314-316-347	Hillinger Bros.346	Michell's Seed House .....330	Roebers, J. Co. ....325	Vincent, R. Jr. & Sons Co. ....315
Bobbinck & Atkins .....327	Dunlop, John H.333	Hill E. G. Co. ....336	Michigan Cut Flower Ex. ....336	Roland, Thomas.325	Wants, For Sale.343
Boddington, A. T. 324-346	Dysart, R. J. ....339	Holland Nurseries .....325	Millang, Chas. ....338	Roelker, A. & Sons .....315-346	Ward, R. M. & Co. ....316
Bolgiano & Son J. ....331	Edwards Folding Box Co. ....336	Holm & Olson. ....332	Montreal Floral Exchange .....338	Rosery, The .....332	Warendorff, A. ....332
Boston Florist Letter Co. ....336	Elliott, W. & Sons .....328	Irwin, R. J. ....316	Moore Hentz & Nash .....338	Sander & Son. ....325	Weber, F. C. ....333
Boston Co-operative Flower Market .....339	Ernest, W. H. ....346	Jager, Chas. J. Co. ....347	Murray, Samuel.332	Schiller .....334	Welch Bros. ....336
Breck, J. & Sons .....320	Eyres .....333	Jacobs, S. & Sons .....247	National Nurseryman .....327	Schling, Max .....333	Whittier & Co., W. B. ....327
Brietmeyer's J. Sons .....332	Farquhar, R. & J. & Co. ....331	Kastling, W. F. Co. ....336	Nicotine Mfg. Co.345	Schultheis, A. ....316	Wood Bros. ....316
Bryan, Alonzo J.316	Fisher, Peter ....316	Keller, J. B. Sons .....332	Niessen, Leo Co.336	Schwake, Chas. & Co. ....315	Woodruff, S. D. & Sons .....330
Burpee, W. A. & Co. ....320	Foler Mfg. Co. ....347	Keller, J. M. Co.316	Oechslin, Ernest.316	Sheridan, W. F. ....338	Woodrow & Mar-kelos .....336
California Seed Growers' Assn. ....331	Ford, M. C. ....328	Kentucky Tobacco Product Co.345	Quewerker, P. ....325	Sharp, Partridge & Co. ....347	Young A. L. ....338
Carter's Tested Seeds, Inc. ....330	Ford, W. P. ....338	Kervan Co. ....338	Palmer, W. J. & Son .....332	Siebrecht, Geo. Co. ....338	Young, John ....338
	Fottler, Fiske, Rawson Co. ....331	King Construc-tion Co. ....347	Park Floral Co.332	Sig .....346	Young & Nugent.332
	Franchingam Nurseries .....227	Konada Bros. ....335	Parshelsky Bros.347	Skidelsky, S. S. & Co. ....331	Zinn, J. A. ....336
		Kramer, F. H. ....333	Peirce, E. Allan.316	Small, J. H. & Co. ....333	Zvolanek, Ant. C.331
		Kroeschell Bros.347	Pennock-Meehan Co. ....337	Smith, P. J. ....338	
		Kuebler, W. H. ....338	Penn the Florist.333	Smith, & Co., E. D. ....345	
			Pierce, F. O. ....346		

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 340, 341, 342, 343

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When Writing to Advertisers Kindly Mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the Editor of HORTICULTURE.

Care of Carnations

From now on until cool weather is a most critical time in the life of the carnation. With the transfer from the field to the house, the vitality falls to the lowest point. Keep the beds very clean from weeds or any foreign substance and look out for the fatal stem rot. The successful passing of this critical period is in good care in watering, ventilating and keeping house and plants clean. Be very careful when working through the plants not to break any of the growth near the soil as this is where the majority of the plants become affected with the stem-rot fungus.

Feeding Chrysanthemums

During the last half of August and through September we should feed chrysanthemums liberally. This will help to make good strong stems that will produce fine flowers. Light mulch of half-decayed cow manure is a great help in maintaining moisture in the soil, as well as affording good nourishment for the plants. Before putting on the mulch, apply a sprinkling of fine bone and ruffle the surface over with the fingers, being careful not to dig up the soil so deep as to break off any roots in the operation. If cow manure is not available sheep or horse manure may be used, but more care must be exercised because they are much more caustic and are apt to burn the roots. Whatever is used must be broken up very fine. Never give these plants manure water while they are dry. Always see that they are moist at the roots before applying liquid feeding.

Planting French Bulbs

It will soon be time to plant Roman hyacinths and paper white narcissi bulbs. Do not use old worn-out soil, but give them a good compost of fibrous soil intermixed with about one-third well-decayed manure. Use boxes of a uniform size because it is economy of space. We find 12 x 24 inches, and 3 inches deep, a convenient size and they are not backbreaking to carry in and out of the houses. You can put the bulbs quite close. Sixty Roman hyacinths or fifty paper whites will go in a flat of the size mentioned. Let the top of each bulb be even with the surface of the soil or top of the box. The soil should be moderately firm beneath and around the bulbs. There is no better place for the flats than outdoors. Before covering the flats with three inches of earth, or whatever material you use, give them a most thorough watering. We shall get lots of warm dry weather before these bulbs are brought into the greenhouse and the object of putting them in flats so early and covering them with earth is to get a good root growth without starting the bulb. They must not be neglected for water. Paper whites do not need to be covered.

Mr. Farrell's next notes will be on the following: Primulas; Cyclamen; Dutch Bulbs; Hydrangeas; Sweet Peas; Starting the Fires.

Schizanthus Wisetonensis

One of the best annuals for cut flowers in winter, or for use as a pot plant for house decoration, is *Schizanthus Wisetonensis*. If wanted at Christmas, the seed should be sown now in pans or flats, in a mixture of loam, leafmold and sand. As soon as the seedlings can be handled put them in 2½-inch pots. Keep them potted on and flower them in 6-inch pots. When the pots are filled with roots, manure water should be given twice a week until the plants show color. If large plants are wanted, they can be shifted into 9-inch pots and, if grown cool, they will make plants measuring two-feet or more through. We find, however, that the 6-inch size is the most convenient to handle. For these shifts give rich mixture, say two-thirds fibrous loam to one-third of well decayed cow manure. A later batch can be sown in September, to flower in February and March. These can be grown in pots or planted out on a light bench, ten inches apart in a sandy loam. They should have the same culture as stocks, with a night temperature of 45 to 50 degrees. They need plenty of water when established.

Violets

At about this time of the year a period in the violet growing season begins that is fraught with difficulties, of which the fine appearance of the stock at present gives no warning and the grower has reason to be constantly on the watch for what might prove of evil to his stock until conditions are more nearly under his control. Dead and diseased leaves, premature buds and side runners, must be plucked or cut off, and snails, wood lice and such creatures, if present in old benches, can be destroyed by a tempting mixture of meal, sugar and paris green which should be strewn here and there among the plants and along the edges of the bench. Overwatering, with never a chance for the soil to dry out a bit, is the common cause of too soft a growth. Sudden rising or falling in temperature, also shifting winds, cold rains or freezing nights, alternating with sun-warmed days—all tend to keep the grower active in guarding against foes from without and within the houses.

Ventilating Orchids

In the cool house we can keep on plenty of ventilation for some time yet. The intermediate house will want a little less every week and by the end of the month they will need some fire heat. In the warm house they will need but little ventilation and nice fire heat during the night from now on.

Arctostaphylos Uva-ursi

Arctostaphylos Uva-ursi, the Bearberry, a member of the family Ericaceae (Heath Family), and a relation of the Trailing Arbutus, is one of our best evergreen trailers, which, although so valuable, is not in general use. It is a native of North America with a range extending from Labrador and Alaska south as far as Pennsylvania and California, and can be relied upon to be perfectly hardy in gardens of the northern United States, where it will thrive if given a favorable location.

The woody, yet slender stems proceed from one central stem, and range from two to five or more feet in length, growing in thick mats, or hanging in long festoons over the rocks which it covers. On these stems the leaves are disposed alternately and are produced abundantly. The leaves are petioled, firm or coriaceous, and evergreen, glabrous or minutely puberulous near the base. The flowers which range from white to pale pink are borne in terminal racemes, and are not unlike the flowers of our common Blueberry, *Vaccinium corymbosum*, in shape. They appear in May and June and are followed by the drupe-like fruits which turn a brilliant red in the late summer. These fruits are in size as large as a pea and have a somewhat insipid taste. They are dry and mealy and form a part of the diet of the winter birds. They produce a very handsome color effect against the dark evergreen foliage, and if unmolested they remain this way all winter. This is one reason why the plant is so highly prized by those who have established a colony in their gardens.

The propagation of the Bearberry is not unlike that of the Arbutus and is slow and difficult as well. Seed may be sown in the early spring or late fall, or one may propagate from cuttings of the mature wood in late summer, placing these in a sandy peat under glass with gentle bottom heat. These will, however, root but slowly and it is recommended that a better way is to use cuttings of the young growth under the same conditions, for being an Ericaceous plant this young growth has more power and a better tendency to send out roots in shorter time than the older wood. Loss is to be expected up to a high percentage by the cutting method and the writer has known of losses as high as 60 per cent. to 75 per cent. It is recommended that the best and surest way of propagating is by seeds, sown as above mentioned.

A great many people prefer, however, to use collected plants, chancing the loss and making up the vacancies the following spring with other plants similarly collected. For this purpose only the strongest and sturdiest plants should be selected, and the time during which they are out of the ground should be as limited as possible. The sooner they can be placed in their permanent position the better. Care should be exercised to give these collected plants plenty of water until they have become well established, for although they love a dry and sandy situation, experience has taught that they need water just as badly as any other plant at this time. As soon as they have become established they may be left to take care of themselves in this respect.

The Bearberry is at its best when seen tumbling over rock and cliffs where its long slender stems mat together and the effect is that of a beautiful festoon. It is used in a great many cases for a ground cover in which capacity it has proven very valuable, especially on dry sandy banks where little else will take hold successfully.

Jamaica
Plain.
Mass.

Hubert H. Canning

New Sweet Pea, Margaret Atlee



MARGARET ATLEE

The accompanying cut shows this wonderful sweet pea life size as grown for exhibition by special culture. This is the first year it has been offered to the trade by the introducers, Messrs. C. C. Morse & Co., San Francisco. For full description, prices, etc., see their full-page advertisement in our issue of August 20.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be promptly received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the Editor of HORTICULTURE.

Mulching

With houses that were planted rather early, the plants will be of a good size by this time, and if allowed to go unmulched much longer they may receive a very serious check that will hold them back for the whole season. The object of the first mulch should not be to feed the plants so much, but to protect the fine young feeding roots that will be filling up the benches from now on. If no mulch at all is applied the benches are very apt to get too dry in places, and with the hot rays of the sun it will not take very long to kill a large number of these little rootlets. Apply the mulch a little thinner on the north side of the benches, for they will receive more shade, and the mulch might prove everything but good for the plants. Well decayed cow manure should be the only material used, so that the plants will have something to get their roots into as they need it. Do not apply it very thick, but just enough to cover the surface of the benches. Nothing will be gained by piling it on thick. Water will only wash the plant food away for the plants will only take it so fast and no faster. Better apply less and then when it is all gone apply more. There will be no chance taken with the weather then, and should a dark cloudy spell come, all those who mulched lightly need not worry, for the benches will not remain as soggy as they would if covered with a deep layer of manure.

Use of Bone Meal

Before any mulch is applied it is advisable to use a little bonemeal, dusting it on the benches as carefully as possible, to get it evenly distributed. This is important, for the plants will behave much better if they are all treated alike, instead of giving some of them more food than others. Use only pure bonemeal, and not any prepared stuff that the dealer claims is the same. Never apply anything to the benches unless you know just what it is composed of, or there may be a chance to regret it. The reason why bone is used so much is because it is more of a food than a stimulant, and its effect will be noticed long after any fertilizer would be gone. As soon as the bonemeal is applied, go over the benches, and rub the bone into the soil ever so lightly, just enough to slightly incorporate the surface of the soil with the bonemeal, and thus keep the latter from forming a crust that will shed all water and keep a dry spot under it for a long time. Never use weeder, or scratchers for this work, as they are sure to go too deep, and damage the roots. Needless to say, all leaves that may lie on the benches should be removed before the bone is applied, and no undesirable matter should be covered up with the manure to avoid

the task of removing it. Clean the benches well before any mulch is applied.

Ventilation After Mulching

Do not make the mistake and close the houses down after a mulch of manure is applied. This would prove harmful, and if the manure is thoroughly decayed the ammonia escaping from it would be very likely to burn the foliage. Generally it will turn a good many leaves yellow if the vents are allowed to be closed too much, so it will be well to choose sunny weather for doing all mulching. Old leaky houses will require less air than new houses, or houses that are kept in good shape, and are tight. Make this distinction when you ventilate.

Watering

This should not be trusted to the boy or any other person incapable of doing his work. The hose in the hands of a wrong or unskilled person is a very dangerous weapon, and will make trouble if not used with care. If the plants were well selected in the start, and kept growing evenly the watering will not be such a problem as when big plants were mixed with little ones, and so on. Whichever is the case, see that they are watered evenly, leaving the poor and weak plants on the dry side a least bit. Otherwise try to keep the whole house as even as possible. Do not force the plants by excessive watering at this time of the year, for they will generally not like it, and will then rest when the prices are high. Keep them going by all means but do not induce them to overdo the blooming stunt now, and have them sleep later on. This applies to Beauties especially, for they will produce about so many flowers and no more, and if forced too hard early in the season will not do so well later on.

Dark Corners

On every place that has existed for a number of years, there will be found places at the ends of the houses, near the potting sheds, etc., where no roses will thrive to any extent, and it would be far more profitable to grow some asparagus or smilax, or any other green that may prove useful around the place. Good asparagus will always sell, and it will be found that it will thrive well in these shady places that are generally quite warm. The above is only too true with cross houses and we would never attempt to grow roses in these, for they would be more trouble than they would be worth. Then, too, the cross-houses are generally a source of diseases for it is here that mildew will start, also spot or spider. Better keep the roses where they should be, and grow something that will pay in the crosshouses.

BOOM YOUR BUSINESS

by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—Executive Board of the Society of American Florists.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Carnations—Feeding Chrysanthemums—Planting French Bulbs—Schizanthus Wisetonensis—Violets—Ventilating Orchids— <i>John J. M. Farrell</i>	317
ARCTOSTAPHYLOS UVA-URSI— <i>Hubert M. Canning</i>	318
SWEET PEA MARGARET ATLEE—Illustrated.....	318
ROSE GROWING UNDER GLASS—Mulching—Use of Bone Meal—Ventilation After Mulching—Watering—Dark Corners— <i>Arthur C. Ruzicka</i>	319
BRITISH HORTICULTURE— <i>W. H. Adsett</i>	321
THE BOSTON CONVENTION—Closing Session—Various Reports.....	322
The Convention Garden—Illustrations.....	323
A Day of Entertainment and Games.....	323
Cover Illustration—Get your Prize—Notes.....	325
STANDARDIZE THE JARDINIERES— <i>J. G. Whilldin</i>	326
CLUBS AND SOCIETIES—National Association of Gardeners.....	328
The Lancaster County Florists' Club—American Association of Nurserymen—American Gladiolus Society—Westchester and Fairfield Horticultural Society—Nassau County Horticultural Society.....	331
Massachusetts Horticultural Society—Newport Flower Show—Gladiolus Society of Ohio—Club and Society Notes.....	335
SEED TRADE— <i>G. C. Watson</i>	330
OF INTEREST TO RETAIL FLORISTS:	
New Flower Stores.....	332
Flowers by Telegraph.....	333
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati.....	337
New York, Philadelphia, St. Louis.....	339
ROSE TEST GARDEN—Key Plan of Garden at Arlington Farm, Va.....	344
MISCELLANEOUS:	
A New Haven Rose Garden—Illustrated.....	321
Home from the War Country—Personal.....	321
Ginger Snaps— <i>G. C. W.</i>	325
Buddleia and Bougainvillea.....	327
Water Hyacinth as a Fiber Producer.....	330
Looks Like a Rascal—A Fraud.....	330
Cincinnati Notes.....	333
Chicago Notes—St. Louis Notes.....	339
Visitors' Register.....	339
"Red Devil" Circular Glass Cutters—Illustrated.....	346
Greenhouses Building or Contemplated.....	346

Convention gardens and their value

In Mr. Farquhar's remarks at Nantasket last Friday afternoon that gentleman alluded to the Convention Garden at Boston as the third in the series of outdoor exploits by the S. A. F. Mr. Farquhar was right, although this year's affair appears to have been understood by some to be the second only. The first convention garden was in the year 1906 at Dayton, Ohio. The sessions of the Society were held in a spacious pavilion with the sides all open, in the centre of the Fair Grounds. The secretary's account of the event contained the following paragraph:

"On all sides skirting the green lawns were to be seen the brilliant flower beds of the out door display, contributing a charming effect and causing much regretful comment on the costly mistake the ornamental nurserymen had made in failing to take advantage of this unprecedented opportunity for showing their goods."

The judges' report on this, the first convention garden, was signed by Peter Bisset, Edwin Lonsdale and William Miller. It will be noticed that the dealers in hardy decorative trees and shrubbery held aloof from participating in this just as they have stayed away from the Boston affair, leaving the field mainly to the dealers in cannas, gladioli and other soft-wooded material, with a disregard of opportunity and a lack of enterprise which seems almost incredible. President Kasting, in his splendid address at the opening of the Dayton Convention said:

"How can we best reach the people who are interested in garden matters, and increase their love for vernal surroundings, as well as to plant desire where no desire exists, are questions of vital importance and worthy of our most earnest consideration. Exhibitions as a factor in education are of the greatest value. It is by the eye more than the ear that people are interested."

Mr. Kasting, in these words, sounded a key note for commercial horticultural progress.

The S. A. F. and hail insurance

In the printed S. A. F. records of the great debate on the proposition for the establishment of a system of insurance against losses by hailstorms, at the Philadelphia Convention in 1886, we learn that John G. Esler submitted a plan for the organization of a mutual hail insurance company to be known as the Florists' National Hail Insurance Company, together with draft of proposed government, by-laws, etc., in which no mention was made of any connection with the S. A. F. other than that the annual meetings of the organization were to be held at the time of the S. A. F. annual convention. This scheme with some amendments presented by J. N. May concerning method of fees and assessments, was finally approved by unanimous vote and on motion of Mr. Esler, "a committee of five appointed to organize a company, with the understanding that the Society of American Florists will not be liable, financially, because of such organization." This committee as appointed by the president consisted of J. M. Jordan, H. A. Siebrecht, E. G. Hill, J. G. Esler and J. C. Vaughan. In the report presented by the committee the following year at Chicago, announcement was made that the Hail Association had been organized in July under the laws of the State of New Jersey and was already doing business, with John G. Esler as Secretary. Chairman Jordan supplemented the report with a few remarks from which we quote the following:

"I presume that most of you know that this organization of the Hail Association is the child of this Society. We want you to father it in such a way that we will know, by your assistance and your appreciation of the work, that you are in hearty sympathy with our efforts. I think the child is now ready to be set to work upon its own responsibility."

The success of the working of the Hail Association was again proclaimed by Secretary Esler at the Convention in New York City the following year. In the light of the facts as above stated we fail to see any justification for the remark by the esteemed secretary of the Hail Association during the discussion on "Affiliation" at the meeting in Boston last week, that the Hail Association had been "thrown out" by the S. A. F. at the time of its inception. This is not the first time the S. A. F. has been reprimanded in this fashion. If its repetition is allowed to go unchallenged year after year the accusation will in time assume the appearance of truth and it seems proper that those familiar with the facts should now take opportunity to refute it.

BRITISH HORTICULTURE.

Sweet Pea Show.

At the annual show of the National Sweet Pea Society in London, July 16th, amongst the novelties which had been tested in the Society's trials was *Fiery Cross*, a cerise-scarlet, shown by Alex. Malcolm, also *Royal Purple* and *Jean Ireland*, from Dobbie & Co. There was a keen competition in the Henry Eckford Memorial class for 12 bunches of distinct varieties; Mrs. H. V. Macnamara, County Clare, Ireland, was first, and E. G. Mocatta, second. The Sutton challenge cup for 18 bunches was secured by A. E. Usher, Lord North being second. Sir G. O. Trevelyan was first in the class for 18 varieties. The E. W. King challenge cup for 12 bunches fell to E. Cowdy. The W. Atlee Burpee trophy for a display of waved sweet peas was won by E. G. Mocatta. Gold medals for trade exhibits were awarded to Bide & Sons, R. Bolton, Alex. Dickson & Sons, Dobbie & Co., and Hobbies, Ltd., C. C. Morse & Co., of California, received a silver medal for a splendid group of the new variety, *Mary Atlee*.

National Rose Society.

The National Rose Society scored another success on July 7th, at their annual summer show at the Royal Botanic Gardens. The following gold medal awards were made for new introductions: Hugh Dickson, Ltd., for Mrs. Berham Walker; B. Cant & Sons, for a vivid red *Augustus Hartmann*; Alex. Dickson, for *Margaret Dickson Hamill*, of an apricot tint; Wm. Paul & Sons, for *Majestic*, an attractive pink bloom; and Rev. J. H. Pemberton, for *Clytemnesha*, a light pink climbing variety. A silver gilt medal was taken by Alex. Dickson & Sons for Mrs. Maud Dawson. The other novelties exhibited by this firm included *Donald McDonald*, rose pink. Hugh Dickson, Ltd., has a group of new hybrid teas, including a sulphur colored yellow named *Ulster Gem*. The champion trophy in the class for 72 blooms was secured by B. R. Cant & Sons. Prizes for premier blooms were taken as under: Best H. T., George Prince with *British Queen*; best H. P., B. R. Cant & Sons with *Horace Vernet*; best Tea, J. Mattock with Mrs. Foley Hobbs.

The Trade and the War.

The horticultural trade is being hard hit by the lamentable war. Florists doing a West End trade in London are suffering from the effects of the cancelling of public dinners and social functions. At this serious period there will be wholesale cutting down of expenses, and in this policy of strict economy the horticultural section is bound to suffer. The Dutch bulb trade will also be seriously hampered, owing to the difficulty of shipping the consignments to this country. The Rev. W. Wilks, the Secretary of the Royal Horticultural Society, and Professor Keeble, the Director of the Society's Gardens, at Wisley, have rendered good service in calling attention in the public press to the importance of the small unused or uncropped plots of ground being planted with such food plants as it is possible to sow at this season of

A NEW HAVEN ROSE GARDEN.



L. E. Stoddard Estate, Gard. William Austin, New Haven, Conn.

The accompanying illustration is a view in the rose garden of L. E. Stoddard at New Haven, Conn. There are

the year to provide against any possible shortage in the future.

Experiments at Woburn.

A party of members of the International Congress on Tropical Agriculture recently visited the Woburn Experimental Fruit Farm. Amongst the experiments to which attention was directed was the demonstration of the remarkable influence of grass upon fruit trees. Even where the grass was not sown until four years after the trees were planted the latter were all but dead after twelve years, and in the living trees the difference in color of leaf, bark, and fruit was striking as compared with trees grown on tilled ground. An investigation of the problem by pot culture indicates that the effect is produced by something that goes from the grass to the roots of the trees. If the soil is aerated the poisonous substance may become beneficial. The conclusion drawn from the pruning experiments is that the less pruning there is the better. Root pruning dwarfs the growth, and yield where done every fourth year, and is injurious if done oftener.

A Narcissus Bulb Disease.

The Board of Agriculture has issued a leaflet dealing with a disease of narcissus bulbs (*Fusarium bulbigenum*, Cooke and Mass.). During last year the disease increased to such a serious extent that, according to the statement of growers on a large scale, entire plots of bulbs were completely destroyed. The continuance of the disease, it is stated, may be due to two independent causes, viz.: (1) to slightly diseased bulbs containing the *Fusarium* spores; (2) to infected soil. So far as is known at present the fungus has only been met with on narcissus bulbs, but it may extend its ravages to other bulbous plants. The leaflet suggests that for this reason the safest course would be to avoid planting bulbs for two or three

about 1000 roses in this garden and they have done wonderfully well this season. William Austin is the gardener on this fine estate.

years on land that has produced a diseased crop. No kind of dressing would be likely to destroy the chlamydospores directly, but during the spring, when they are germinating and producing secondary spores, the latter would be killed by a dressing of kainit, or of sulphate of potash, lightly worked into the soil. The disease is known in Holland, from whence it may often be re-introduced into this country by means of slightly infected bulbs. W. H. ADSETT.

HOME FROM THE WAR COUNTRY.

H. Huebner of Groton, Mass., who was in Switzerland when the war broke out, has safely returned after some unique and exciting experiences. He managed to get passage from Genoa in the steerage of the *Stampalia*, where he had as fellow passengers bank presidents, millionaires, opera singers and others, who were getting their first experience in roughing it, and mightily glad of the opportunity. All of them had lost their baggage and many, including Mr. Huebner, had absolutely nothing except the clothing they wore. The trip to New York consumed two weeks, the first five days of which in traversing the Mediterranean to Gibraltar was a time of peril and anxiety for fear that Italy would get into the fight before they were safely out. Mr. Huebner not only lost his entire baggage, but also a lot of valuable plants he had bought and for which he had paid cash.

PERSONAL.

We are glad to learn of the safe arrival in New York of Harry A. Barnard, of Stuart Low & Co., Rush Hill Park, Enfield, England.

William E. Schmeiske, formerly foreman for Alex. Maxwell, florist of Springfield, O., has taken charge of the greenhouses of W. Murray Crane, Dalton, Mass.

THE BOSTON CONVENTION

The Society of American Florists Finishes Up Its Business and Adjourns—Various Reports—Friday's Entertainment and Games

CLOSING SESSION OF THE CONVENTION.

The first business at the Thursday afternoon session was the report of the Committee on Standard Flower Pots. Thomas Roland, chairman, presented the following:

Report of Committee on Standard Pots.

Your Committee took up the consideration of the flower pot question thinking that there was considerable dissatisfaction with the present standard. With a view to finding out what changes were desired in the standard as adopted by the society in 1890, your committee wrote to a large number of pot manufacturers and consumers of flower pots in various parts of the country and with one or two exceptions the replies were decidedly against any change of the present standard.

The retailers claim to have some difficulty in fitting pots into the various jardinières so much used now. Your committee feel that much of this trouble would be avoided if the manufacturers of vases and jardinières were to adopt a standard to conform with that of this Society. Your Committee are strongly of the opinion that it would be a mistake to change the present Standard, and feel that any possible gain that might be made would be offset by a larger loss.

We therefore recommend that a copy of the present Standard be furnished to all manufacturers of jardinières, etc.; and that the copy of the scales and drawings attached be made a part of the permanent records of this Society.

Your Committee are indebted to A. H. Hews & Co., who kindly gave the Committee a copy of the Standard adopted by this Society in 1890.

Signed, THOS. ROLAND,
J. J. HESS,
J. K. M. L. FARQUHAR,
Committee.

On motion of Harry A. Bunyard, the Standard adopted in 1890 was re-adopted as recommended by the Committee, ordered spread upon the minutes, and published in the annual Proceedings.

Other Reports.

The reports of the botanist, Professor J. F. Cowell, Buffalo, Botanic Gardens, Buffalo, N. Y.; of the Pathologist, Professor E. M. Freeman, Plant Pathologist, University Farm, Minneapolis, Minn.; and of the Entomologist, Professor W. E. Britton, State Entomologist, New Haven, Conn., were respectively considered as read, and will be printed in the Proceedings of the Society.

The report of the judges on the Trade Exhibit was then read by Secretary Young.

Awards in Trade Exhibit.

At S. A. F. conventions the judges do not pass on the trades' display as a whole, but only on such novelties as have been brought to their attention by the exhibitors in writing.

On plants and cut flowers the judges were M. A. Patten, J. R. Fotheringham and William Sim. They awarded a certificate of merit to the Robert Craig Co. for *Nephrolepis* John Wamaker, high commendation to Carl Hagenburger for *Nephrolepis* Mentorii, and honorable mention to Arthur Cowee for demonstration of the uses of gladioli.

O. J. Olson, W. F. Gude and G. E. M. Stumpp, judges of florists' supplies, awarded high commendation to Schloss Bros. for their exhibit as a whole and for beaded corsage novelties, rainbow effect chiffon and fancy ribbon novelties, also honorable mention for gold and silver ribbon.

The Report of the Committee on the Convention Garden was then presented but not read, and ordered to be printed. Following is a summary:

Report of Judges and Awards Made to Exhibits in Convention Garden.

Silver Medals: R. & J. Farquhar & Co., for Japanese Garden. The judges consider this a most comprehensive exhibit, displaying a very varied collection of plants. W. A. Manda, Inc., a most interesting and extensive exhibit of Conifers, Boxes, Bay Trees, Dahlias, etc., well arranged exhibit. *Salvia Greggii* here was highly recommended as a bedding plant or for the greenhouse. *Cuphea Llavea* was highly recommended as a bedding plant. A. N. Pierson, Inc., Bedding Plants, Hardy Garden Roses and Hardy Perennials. The judges consider this a very creditable exhibit. Conard & Jones Co., large display of Canna novelties, which include Wintzer's Colossal, Panama, Kate F. Deemer, Wm. Saunders, Meteor, *Rosea gigantea*, Olympic, Mrs. Alfred F. Conard, Loveliness, Beacon and Wyoming. The judges considered this a very meritorious exhibit. Robert Craig Co., display of Crotons raised and introduced by Robert Craig Company. Arthur T. Boddington, grand display of *Hycinthus candicans*, fine bed of *Canna* Panama and a superb bed of *Gladiolus* America.

Certificates of Merit: John Lewis Childs for display of *Gladiolus* Sunburst, Radiance, Charmer, Attraction, Snow King, Scribe, Sulphur King, Rosy Spray, Gleam, Winsome, of the Childs type. Vaughan's Seed Store, a bed of *Canna* Fire Bird. The judges

consider this a very good canna. F. W. Fletcher, *Antirrhinum* Nelrose. The judges consider this a good bedding variety of snapdragon. Eastern Nurseries, display of Hardy Evergreens and Perennials. The following new plants were worthy of notice: *Juniperus Kosterianus*, *Juniperus Pfitzeriana* and *Taxus repandens*. Thomas F. Galvin, Inc., a formal bed. William Tricker, display of aquatic plants, *Lythrum* Perry's variety and *Lythrum virgatum* roseum. R. Vincent, Jr. & Sons Company, Bed of *Geraniums* My Maryland, Scarlet Bedder and Mrs. Lawrence. William Sim, bed of *Antirrhinum* Pride of Cliftondale. S. J. Goddard, bed of *Begonia* Gloire de Chatelaine. R. & J. Farquhar & Co., *Canna* Firebird and *Liliums* myriophyllum and Sargentiae.

Diplomas of merit: Carter's Tested Seeds for exhibit of Carter's grass, and an artistic dial and ornamental bed. The judges were especially pleased with the grass. Wm. W. Edgar Co., a very fine bed of *heliotrope* as standard, carpeted with lower *heliotrope* plants and edged with *Vinca* minor, making a very pleasing effect. Park & Recreation Department of the City of Boston, Formal Beds, which show such excellent workmanship. In the opinion of the judges, great credit was due to James B. Shea, superintendent of parks of Boston for the work he has done and the interest he has taken in the garden.

Honorable Mention: Arthur Cowee, for display of *Gladiolus* Peace; Peter Henderson & Co., bed of new *Geranium* Gen. Funston, edged with *Alternanthera* Jewel; F. E. Palmer, effective bed of *Petunia* Veilchenblau, Marigold Legion of Honor, and White Verbena. Mr. Desert Nurseries, exhibit of Hardy Perennials and Conifers. A. H. Hews & Co., display of large flower vases. R. Vincent, Jr. & Sons Co., *Geraniums* Scarlet Bedder and Mrs. Lawrence.

The following exhibits received mention: A. Magnuson, Seedling *Salvia*; A. F. Coolidge, Bedding *Geraniums*; Edward MacMulkin, Bedding plants; B. Hammond Tracy, *Gladioli*, not in bloom; Knight & Struck Co., *Cosmos* and *Buddleia variabilis grandiflora*; E. E. Stewart, Brooklyn, Mich., *Gladioli*; Bidwell & Fobes, *Gladiolus* Panama and Niagara, not in flower; Henry R. Comley, *Cosmos*; A. M. Davenport, Coleus and *Euonymus*; Henry A. Dreer, Inc., *Nymphæas*; James Vicks' Sons, *Gladiolus* Rochester White, not in bloom.

The judges were Robert Cameron, John N. Champion, John F. Huss and Gustav X. Amrhyn.

A. H. Hews & Co. were accorded a vote of thanks for their kindness in

loaning the society 3,000 saucers to be placed under the exhibits of plants in the trade section.

Greetings from California.

Secretary Young read the following telegram:

San Francisco, Calif., August 19, 1914.
John Young, Secretary, S. A. F. and O. H.,
Boston, Mass.

Permit me to extend my hearty congratulations to the gentlemen of the Society of American Florists upon their selection of San Francisco as their next meeting place. Needless to say that it will be our aim to make the next gathering the most interesting in the history of the Society, and earnestly hope that all members will take advantage of the opportunity that presents itself to witness the greatest three ring attraction in the world, namely, the wonders of California, too numerous to mention, the greatest Exposition ever held, and last but not least, California hospitality.

ANGELO J. ROSSI.

On motion of Harry A. Bunyard, the communication was received and spread upon the record.

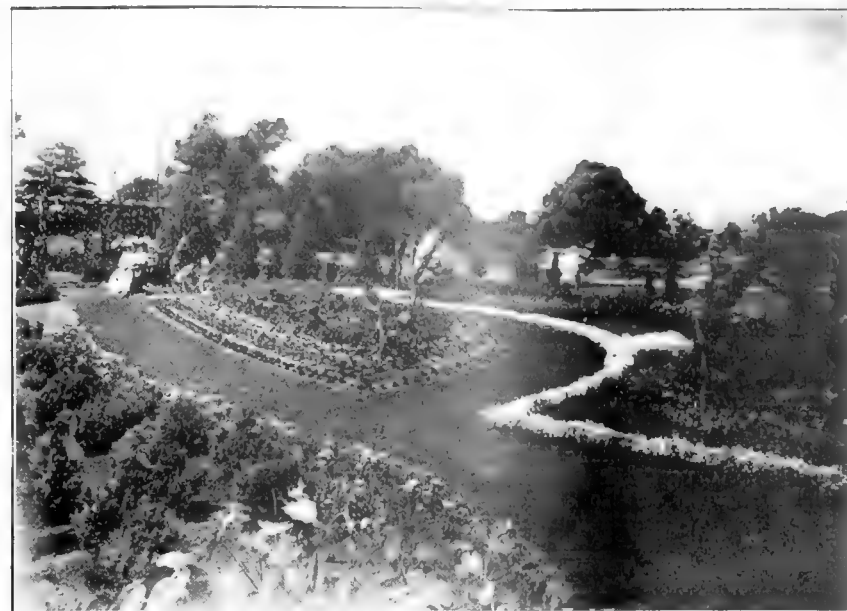
The next business in order was the report of the Committee on School Gardens, by Benj. Hammond.

Report of the Committee on School Gardening.

Within twenty years the new idea of School Gardening has spread from Boston to the Pacific Ocean and to the Philippine Islands. The economic value of this work, as is realized today, is of much importance in every town where it takes root. A taste cultivated in the direction of making things grow in a small way, tends at once to improve the appearance of a neighborhood. The florist's shop never causes a detriment to a neighborhood, but is the example of what will make the houses of a community look better.

During the past year the committee on school gardens has followed up its limited work of suggestion to school trustees and others in every city, town or village where a member of the Society of American Florists is located, by mailing to each official school body a well illustrated circular letter calling attention to this work, and appreciation of this call is answered by many.

One of the manufacturing towns which was built on the sand dunes or waste places at the south side of Lake Michigan, is Garry, and the leading men of the cosmopolitan city of New York have been out there and come back home to tell among other things, what school gardening and flower growing does to break up the old-time barrenness of a manufacturing city. This work over the country, especially in the larger cities like Cincinnati, St. Louis, Cleveland, Chicago, Los An-



THE CONVENTION GARDEN
Formal Bedding in the Farquhar Exhibit.

geles, Bellingham, Worcester, Toronto, Baltimore, Pittsburgh, Buffalo, Syracuse, Minneapolis, Atlanta, Louisville, Indianapolis, Grand Rapids, Kalamazoo and so on, gives merely an idea of what is being done in centers of large population. The work is aided by seedsmen in many places. Roses, dahlias, asters, gladioli, cannas, coleus, geraniums, sweet peas, etc., are in evidence to show the increasing appreciation by the mass of American families of flowering plants in the odd corners and waste places. Example and training are the effective ways which lead and elevate home taste. The development in the use and growth of flowers is nowhere more apparent than on the roofs of the great tenement buildings or apartment houses on Manhattan Island—the boxes of flowers tell their own story of yearning in human hearts for pretty things, and the florists and seedsmen of the world are the trades that help uplift humanity.

Your committee's advice to all the people is—keep right on the job.

Benjamin Hammond, Michael Barker, Irwin Bertermann, Gust. X. Amrhyn, Leonard Barron, *Committee.*

The report of the Committee on the Recommendations in the President's Address was next read by the Secretary.

Results of Balloting.

The report of the tellers on the result of the balloting for officers was then presented showing results as briefly recorded in our issue of last week. The whole number of ballots cast was 401, the largest on record where there was any contest, exceeding the record at Baltimore by 16 votes. The vote in favor of "Affiliation" was 354 in favor and 35 opposed. Prof. George E. Stone then read his paper on the Adaptation of Plants to Soil. This paper was briefly discussed after which the society adjourned. We shall present Dr. Stone's interesting paper in full in a later issue.

A DAY OF ENTERTAINMENT.

Excursion and Games.

Friday was Boston's own day—the day when even the latch-string was to be discarded and the doors of community hospitality thrown wide open. The morning started with a dubious weather outlook and many of the participants in the harbor trip which was the central feature of the day's entertainment, prudently provided themselves with umbrellas, mackintoshes and similar protective material. Despite the menace of low-hanging clouds, however, eleven hundred happy excursionists undaunted by the outlook were on board the flower decked steamer *Rose Standish* when she glided from her dock at 9.45 Friday morning. Landing was made at Fort Warren where the sporting events were scheduled to take place and soon the baseball diamond within the old fortification was the scene of activity. It was the All-Stars of the S. A. F. against the All-Bostons and they put up fun and excitement galore for the spectators who were ranged by hundreds around on the ramparts and at every vantage point doled out applause without stint when a good play was made and gave it in double measure whenever some luckless player performed some unpremeditated stunt in the slippery mud puddles which went by the name of bases and with which every part of



THE CONVENTION GARDEN
Bed of Geraniums by A. F. Coolidge.

the diamond was plentifully supplied. Following the baseball game, which the All-Stars won by a score of 9 to 8, came the minor sporting events. The thunder was rumbling and the wise ones were making their way to the protection of the boat. The "sack race" was on and the racers hopping and tumbling over the course when down came the rain in bucketfuls—the climax of a week long to be remembered for electrical disturbance. And the games stopped then and there and a series of other foot races not down on the program were put in execution. The downpour soon ceased and the rest of the trip to Nantasket landing was a glorious good time, with refreshments, music and choruses.

Banquet.

But at Nantasket all plans had been turned topsy-turvy; the big tent in which the banquet was to have taken place was blown entirely out of commission and this feature had to be relegated to the dining halls and verandas of the New Rockland House, necessitating two relays before all had been served. The house did all that anyone could ask in such an emergency and the best of philosophical good nature prevailed on all sides.

The landing at Nantasket is on the inner or harbor side of the long promontory on the outside or ocean front of which the famous Nantasket Beach stretches for a distance of five miles. So the visitors got not a glimpse of this noted attraction, for the storm set in again and all had to stay indoors or make their way to the boat for Boston. It was a sad disappointment to the local people who had worked so hard for this event, and the chagrin was further intensified when the following day, Saturday, came in with a cloudless sky and proved to be an ideal summer day.

Presentation to President Wirth.

A pleasant event at the hotel was the presentation to President Wirth of a casket of silverware in token of the regard and esteem of the members. The presentation was made by Ex-president Farquhar in a speech full of the eloquence of sincerity. Being introduced by Mr. Welch, Mr. Farquhar mounted a table and told how pleasurable was the duty he was about to perform in recognizing an honored official who has done so much to bring about this most successful convention. He recalled what Mr. Wirth had done as vice-president for the convention in Minneapolis and in making possible the grand Convention Garden in that city; how he had allied the whole interests of his section with the work of the S. A. F. and had now by his fidelity to duty and to every branch of horticultural industry reached the highest pinnacle of honor in his profession. The speaker declared that if any man in the whole land is worthy to be the successor to J. A. Pettigrew as the dean of American Park Superintendents it is the man who now fills the chair of president of the S. A. F. He knew when Theodore Wirth was elected he would prove one of the best presidents the society ever had. "We gardeners, florists, seedsmen, nurserymen all know the worth of Theodore Wirth."

Mr. Wirth's response was appreciative and full of the sanguine spirit

which has been such a factor in his career. He pleaded lack of words to express his gratitude for all the kindness shown him by the members and by his associates in office. On behalf of the visitors he expressed sympathy with the Boston people over the unfortunate weather and assured them of his belief that the Convention now coming to a close was the best ever held. "The S. A. F. is on the right road."

Park Commissioner J. H. Dillon and President-elect P. Welch followed with brief remarks.

THE GAMES.

The Team Bowling.

NEW YORK.

John Donaldson	163	157	164	484
J. Manda	149	197	141	487
J. Fenrich	228	181	190	599
Wm. Duckham	182	171	174	527
J. Miesem	234	171	159	564
	956	877	828	2661

BUFFALO.

C. Sandiford	206	109	164	479
G. Street	149	125	167	441
P. J. Scott	136	149	146	431
R. A. Scott	140	123	147	410
C. Schoenhut	189	149	152	490

820 655 770 2245

PHILADELPHIA.

H. Betz	190	162	118	470
John Kuhn	118	146	14	384
Geo. Craig	161	113	139	413
Wm. Graham	146	151	178	475
D. T. Connor	190	148	148	486

745 720 703-2168

BALTIMORE.

J. J. Perry	142	170	152	464
J. H. Moss	138	97	147	382
F. C. Bauer	134	121	117	372
H. Lehr	140	116	117	373
C. Seybold	177	158	195	530

721 662 728-2111

CHICAGO.

W. Wolf	111	151	138	400
S. Freund	55	83	83	221
Geo. Asmus	145	135	168	448
P. Peterson	155	141	124	420
John Zeck	160	184	190	534

626 694 703 202

BOSTON.

Louis J. Roper	158	148	141	447
B. McGinty	106	106	105	317
Wm. R. Nicholson	136	141	145	422
W. A. McAlpine	157	115	144	416
E. Allan Pearce	160	121	187	468

609 621 716 138

Highest single game New York Most strikes, Buffalo 41 Most spares Philadelphia 556

Men's Individual Bowling.

1st, Knoble, 584; 2nd, George, 582; 3rd, Graham, 577; 4th, Olson, 559; 5th, Hagenburg, 554; 6th, Brown, 545; 7th, Smith, 539; 8th, Rasmussen, 516; 9th, Head, 510; 10th, Leully, 504.

Best Single String, Brown, 275. Most Strikes, Knoble, 17; Most Spares, Smith, 21.

Men's Candlepin Bowling.

1st, W. R. Nicholson, 272; 2nd, E. A. Peirce, 270; 3rd, Chas. Seybold, 270; 4th, W. J. Carden, 277; 5th, W. H. Clark, 277. Best Single game, 198, W. R. Nicholson.

Outdoor Sports.

Baseball game at Fort Warren—All-Stars, 9; Boston, 8. Longest hit—A. Roper, Jr. Most hits—(4) A. Roper, Jr. Umpires—Anderson of Buffalo and Edgar of Boston.

Boys' Race—1st, Phil Roland; 2nd, Victor Heurlein; 3rd, T. Roland.

Girls' Race—Margaret Bliffe; 2nd, Dorothy Palmer; 3rd, Margaret Pierce.

Single Ladies' Race—1st, Elizabeth Bliffe; 2nd, Catherine Nilsson; 3rd, Agnes Birnie. Married Ladies' Race—1st, Mrs. Geo. W. Smith; 2nd, Mrs. Chas. Clapp; 3rd, Mrs. E. J. Rorean.

100 Yards Open—1st, E. E. Jones; 2nd, W. Bliffe; 3rd, Eisenhart.

Three-Legged Race—1st, Sloane & Clark; 2nd, Bliffe & Collins.

Fat Men's Race—1st, Chas. E. Clark; 2nd, Robt. Shock; 3rd, C. C. Taylor. Sack Race—1st, W. J. Clark; 2nd, C. C. Taylor.



Mignonette

BODDINGTON'S MAJESTY

THE finest of all the Fancy Varieties of Mignonette for Winter forcing; seed saved from select spikes under glass. We have received many testimonials with regard to the excellence of this variety.

Trade Packet 60 cts., 1/8 ounce \$1.00, ounce \$7.50.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th St., - NEW YORK

"These Prices are for the Trade Only."

COVER ILLUSTRATION.

The cover page group picture shows the S. A. F. Executive Board for 1914 all of whom were present at Boston, excepting August Poehlmann of Chicago and who consequently does not appear in the picture. The gentlemen in the top row, standing, from left to right, are Charles H. Totty, John A. Evans, J. A. Peterson, J. J. Hess and Thomas Roland. Seated—J. K. M. L. Farquhar, Theodore Wirth, John Young, P. Welch and W. F. Kasting.

GET YOUR PRIZE.

All prize winners who did not receive their prizes before leaving Boston will kindly send in their address to W. R. Nicholson, Framingham, Mass., chairman of the Local Sports Committee and same will be forwarded to them.

NOTES.

Exhibitors in the trade display section were generally well pleased with the business done. Fred Lantenschlager, who represented Kroeschell Bros., said that they found it to be one of the best conventions for business in every particular that they had ever participated in.

W. J. Kennedy worked like a beaver in the management of the sporting events and proved himself a most indispensable factor in bringing this important feature of Friday's entertainment to so successful a conclusion. The boys presented him with a handsome stick pin which was richly deserved.

There was plenty of entertainment going on continuously which did not appear on the regular programme and many instructive trips as well to places of trade interest. R. & J. Farquhar & Co. entertained a big delegation of gardeners at their Dedham nurseries on Wednesday afternoon. On Thursday afternoon large parties were lavishly received at Thomas Roland's establishment and at Montrose Greenhouses.

Penn the Florist devoted his space in the trade exhibition to a demonstration of the value of newspaper advertising in the florist trade. The walls of his booth were hung with framed clippings of large advertisements that he has had from time to time in the various Boston dailies. It was an unique and very impressive lesson in practical business enterprise and Mr. Penn's rapid advancement to a position in the foremost rank of successful florists is the best sort of evidence that he has adopted a winning policy. His booth had many interested visitors.

GINGER SNAPS.

Denny (stranger to Boston): "Gee, but I'm tired! D'ye know, I walked all the way from the Metropolitan wharf right here to the Parker House!"

Sophisticated Friend: "Why, that's nothing! That isn't far."

Denny: "It was; the way I came."

Appreciative Edward: "This Boston

BULBS FROM HOLLAND

In spite of the "WAR" we have right here in New York City the bulbs you want. Tulips, Narcissus, Hyacinths and Paper White Narcissus. We have big shipments already here and more on incoming steamers, but "WAR" may stop supplies any time. Seize your opportunity now. Don't wait. Send your orders to

De RUYTER & HOGEWONING

12 Broadway, New York City

JAPANESE
Bamboo Canes

Just the thing for
Staking Plants and
Small Trees

Per Bundle

6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

30 and 32 Barclay Street
NEW YORK

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS
AZALEAS, CONIFERS, CLEMATIS
H. P. ROSES, SHRUBS, AND HER-
BACEOUS PLANTS.

P. OUWERKERK, 216 Jane St., Westhoken Heights
P. O. No. 1, Hoboken, N. J.

is certainly a great town; but why so many curves?"

Suave Native: "That, my dear sir, shows the innate artistic instinct of the true Yankee. The curve is the line of beauty, and is rich in the element of surprise."

McNab (rather surprised at the freedom with which McGregor was ordering things up to the room over the telephone): "Why Mac, what makes you so liberal today. You are usually more thrifty."

McGregor (susceptible to petti-coats): "Mac," said he, "the delightful way that lassie at the end of the line talks to me, makes it a real pleasure to order them up."

G. C. W.

Hackettstown, N. J.—The Centre Street Greenhouses have been purchased by Mrs. Matilda Everitt.

HEACOCK'S
KENTIAS

JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. CATTLEYAS: Percivalliana, Gaskelliana, speciosissima. DENDROBIUMS: Formosum, Wardianum, nobile, densiflorum, Schultzei. VANDAS: Coerulea, Batemannii, Luzonica, Imsechootiana. PHALAENOPSIS: amabilis, Schilleriana. Spathoglottis plicata.

Write for Special List No. 55.
LAGER & HURRELL, Summit, N. J.

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

SANDER, St. Alban's, England
and 258 Broadway, Room 721
NEW YORK CITY

CYCLAMEN

Best strain in existence.

4 inch	\$35.00
3 inch	50 00
4 inch	75 00

THOMAS ROLAND,

Nahant, Mass.

When writing to advertisers kindly
mention HORTICULTURE.

STANDARDIZE THE JARDINIERES.

Rumors of a movement on hand to have the standard flower pots changed from the present standard shape adopted at the convention of the Society of American Florists, at Boston, Mass., on August 21, 1890, having reached the ears of the pottery trade their immediate reply is "Standardize the Jardinieres." Our product was standardized in 1890. Rumor has it that some few retailers object to the present style of standard rimmed pots and they suggest a return to the smaller rim, similar in design to the old style hand-made pots of uncertain dimension, simply because one or more of their customers may have a pet jardiniere which they find hard or impossible to insert a standard rimmed pot in without the rim showing.

The jardiniere makers are continually at work designing and making new patterns in regular and odd shapes in limited quantities which are soon discarded, and seemingly pay little attention to the size of the opening in its relation to the depth of the vessel while a few thoughts directed to that end in view would clear up at once any objection to the use of standard flower pots as made at present. The potteries, to keep up with the newest design of jardinieres, would have to be continually changing the size and shape of their pots to correspond to the changing designs of jardinieres, and there would soon be no use for standard shapes as there would be none made.

To return to the old style would not remove the objections made by the retailers and the same difficulty would occur as the old style pot was proportionally thicker at the top and possibly thicker around the rim than the present pot with rim and would still bind before reaching the bottom of the jardinieres.

In olden days, long before the adoption of the present standard pots, the pottery salesman would sell pots to one florist for five-inch and possibly the next customer would buy the same pot for a six-inch; then again a florist would advertise six-inch stock, which upon arrival to destination would go into the buyers' five-inch pots. These conditions were the same in every section of the country, and the year the Society of American Florists adopted and standardized the flower pots, they did more for the trade in general than any other convention up to that time. (and possibly since).

Practical potters tell us they would prefer a smaller rim as then they could place more pots in their kilns and less room would be occupied in storage per thousand pots, but, this would necessitate a smaller diameter bottom and therefore less room for the soil so much desired by the grower and it is only by the present system of "nesting" or "stacking" pots, that the price is kept at the present low price.

The basket maker gets a standard pot, azalea or bulb pan, whichever he wants to make, if a new design, and his baskets are formed over the size pot or pan to be used, thereby preventing the use of those words so apt to spring from our lips, when things go wrong. The supply houses have on hand figures or samples of the most used sizes of standard flower pots and whenever a novelty is offered to them



LET us tell you exactly what Hicks' guarantee means. It means that we guarantee all Hicks' nursery grown stock to thrive. This applies to all our trees, big or little; all our shrubs; all hardy plants.

If anything you buy doesn't live and thrive, we will replace it, and do it cheerfully and willingly. We not only want to replace it, but we insist on doing it.

All we ask of our customers is to let us know the way the planting was done; the kind of soil and whether the watering was done freely or sparingly. Our only reason in asking for even this much information is to find out if the planting and handling has been done right; and if not, make suggestions for the proper care of the replaced stock.

Of course we know full well that every once in a while we will be

imposed upon, and that our stock will be blamed when the fault is entirely due to wrong handling or neglect.

But, on the other hand, our stock is so well grown and so strong; and our packing methods so careful and so thorough, that Hicks' stock thrives under many cases of poor conditions and neglect, where other stock would be a complete failure. Because of this fact, we can afford to make such a sweeping guarantee.

Our replacements each year are very few. So few it would surprise you.

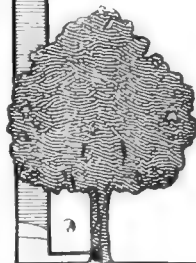
Our stock may sometimes cost a bit more than others, but that's to be expected with anything and everything that is superior. Don't you want some of these fine White Spruce for planting in September? Every one of them to be sold with Hicks' guarantee.

Prices—White Spruce

3	ft. high, 22 in. spr.	\$9.00 per 10; \$80.00 per 100; \$600.00 per 1000
3½	ft. high, 2 ft. spr.	17.50 per 10; 150.00 per 100; 1,000.00 per 1000
4	ft. high, 2½ ft. spr., 8 years old.	22.50 per 10; 200.00 per 100
5	ft. high	30.00 per 10; 250.00 per 100

Can you use a White Spruce hedge, 3 ft. high, at \$22.50 per 100 feet?

Don't hesitate because of distance—we recently shipped to Detroit, Michigan, four carloads of big evergreens to the famous automobile maker, Henry Ford.



Hicks Trees
Isaac Hicks & Son
Westbury, Long Island

their first inquiry is "Does it fit the standard flower pot?"

The potters' cry of "standardize the jardinieres" should also apply to the fern dishes and every retailer knows his troubles in the past, when with hammer, chisel and saw he has tried to cut down a pot or pan to fit a liner to some odd size fern dish, or has called upon some tinsmith to make the liner of zinc or tin.

Any standard flower pot manufacturer would gladly furnish the jardiniere and fern dish makers any information regarding dimensions, etc. of their product.

J. G. WHILDEN,
Philadelphia.

PATENTS GRANTED.

- 1,106,615. Insect-Destroyer. Abner A. Barron, Duck Hill, Miss.
1,107,227. Grass Shears. Patrick F. Ryan, Syracuse, N. Y.

Charles Sim, landscape contractor, Rosemont, Pa., who has been on a trip to Europe, arrived home on the 23rd. Like the rest of the pilgrims—glad he's back—even if he did have to come second cabin. The panic all around was severe, but he did not forget an Aberdeen McTavish for the mogul of Horticulture's Philadelphia office.

POEHLMANN'S 'MUMS

2½ inch Pompons and Standards now reduced for **and**

FINAL CLEARANCE

200,000 late propagated extra fine healthy stock all variety listed by us

\$2.20 per 100; \$20.00 per 1000

TRY OUR 'MUMS

and be convinced that our choice commercial varieties are the ones that will bring you the largest returns for the amount invested. We have a fine healthy lot of nice soft plants in splendid growing condition, but we need more room and in order to move this stock quickly we are making **A BIG REDUCTION IN PRICES**. You can now buy any variety listed by us, Pompons or Standards, for \$20.00 per 1000—a direct saving of from 25 per cent. to 75 per cent. on our regular prices. Better hurry your order as this stock will not last long at these **SPECIAL PRICES**. Note the price \$2.20 per 100, \$20.00 per 1000.

CHRYSANTHEMUMS

EARLY—White—Smith's Advance, Oct Frost, Virginia Poehlmann, Alice Salomon. **Yellow**—Chrysolora. **Pink**—McNeice.
MIDSEASON—Yellow—Bonaffon, Crocus. **Pink**—Enguehardt.
LATE—White—Timothy Eaton. **Crimson**—Schrimpton.

POMPONS and SINGLES

NEW ONES Chieftain Pink Alice Salomon.
POMPONS Yellow Krut, Skibo, Madge, Klondyke, Baby, Big Baby, Quinola. **White** Waco, Alva, Kommit. **Pink** Nellie Bly, Fairy Queen, Alvina. **Bronze**—Madam Laporte, Mrs. Ben.
SINGLE POMPONS White Mensa. **Bronze**—Pauline. **Single Pink**.

SUPREME QUALITY ROSE STOCK

BEST PLANTS THAT MONEY CAN BUY. Growers are always on the lookout for quality rose stock. They realize that the best at the start is the cheapest in the end. When buying plants it is always best to secure your stock from people that have a reputation for producing the best there is to be had. You cannot get any better stock than that which we are offering, for we always aim to give the purchaser the best that our long years of experience enable us to do.

GRAFTED ROSES

2½ in. plants—Bulgaria, Ward, Milady, at \$12.00 per 100; \$100.00 per 1000. Killarney Brilliant, \$30.00 per 100; \$250.00 per 1000.
3½ in. plants—Milady, at \$15.00 per 100; \$135.00 per 1000. Killarney Brilliant, \$35.00 per 100; \$290.00 per 1000.

OWN ROOT ROSES

2½ in. plants—Milady, Ward, Killarney, at \$6.00 per 100; \$55.00 per 1000.
3½ in. plants—Milady, at \$8.50 per 100; \$75.00 per 1000.

These prices are in cash now, 3% for cash in 10 days.

FIELD GROWN CARNATIONS

STEVIA, 2-inch, at \$20.00 per 1000

POEHLMANN BROS. CO., BOX 127
Morton Grove, Ill.

BOBBINK & ATKINS

**PALMS AND GENERAL DECORATIVE PLANTS
CONIFERS, SHADE AND ORNAMENTAL TREES**

INSPECTION INVITED ASK FOR WHOLESALE CATALOG

Nurserymen and Florists, RUTHERFORD, N. J.

THE FRAMINGHAM NURSERIES

200 ACRES,
TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.



FINE STOCK OF
RHODODENDRONS,
KALMIAS AND
Send for
Price List ANDROMEDAS.

W. B. WHITTIER & CO. FRAMINGHAM, MASS.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

BUDDLEIA AND BOUGAINVILLEA.

Will you please tell me through HORTICULTURE the proper way to grow Buddleia so as to have it in bloom in winter, and also how to manage some large old plants of Bougainvillea.

Yours respectfully,
A SUBSCRIBER.

For Buddleia asiatica take soft wood cuttings in March. Grow them along in pots not too large, and pinch frequently to keep them in bounds. These will make good flowering plants filling 6-inch pots or larger if desired and

should bloom freely from November or December on until April.

For the other Buddleias, such as variabilis and its varieties the same general plan may be followed but they are of more robust growth and will take a little longer time. Cuttings taken in March will flower in fall if not pinched, but if pinched back they will be later in blooming according to the amount of pinching given. They will require pots twice as large as for the asiatica.

The best course with Bougainvilleas

THE National Nurseryman

Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card

National Nurseryman Pub. Co., Inc.

218 Livingston Building
ROCHESTER, NEW YORK

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

is to prune out all the old superfluous wood and thus encourage new growth, saving the new wood now present. Repot in good turfy loam to which should be added sand, well-rotted cow manure and a little ground bone. As the young wood grows it should be carefully trained to stakes or trellis so as to allow the flowering shoots to get plenty of light and air. One very important thing in the management of Bougainvilleas is to keep the plants thoroughly syringed against the attacks of mealy bug and green fly.



WAR OR NO WAR!

We have FRENCH BULBS, and while they last
we are offering

Paper Whites Grandiflora, \$8.50 per 1000

ST. DAVID'S HARRISII

5 to 7 Plump Bulbs	- - - - -	400 to case, \$20.00
7 to 9 " "	- - - - -	200 to case, 20.00
TOBACCO DUST for dusting	- - - - -	100 lbs. 2.00
ROSE BONE	- - - - -	200 " 4.50
SCOTCH SOOT	- - - - -	112 " 3.00

WM. ELLIOTT & SONS, 42 Vesey Street, NEW YORK

NATIONAL ASSOCIATION OF GARDENERS.

In spite of the "double header" at the baseball grounds and other attractions to lure the gardeners away from the meeting of the National Association of Gardeners, held at Paul Revere Hall, Boston, on August 19, it was one of the most successful summer meetings ever held by the organization.

President William J. Kennedy, of the Gardeners' and Florists' Club in welcoming the gathering to Boston, spoke in glowing terms of the wonderful strides the profession of gardening has made in this country during the past decade and he predicted that the future will witness even greater progress. He referred to the importance of strong organization to protect the interests of the profession and stated that he believed the National Association of Gardeners, if properly supported by the gardeners, can materially aid the profession and increase the opportunities for those engaged in it.

President Wm. H. Waite, of the National Association of Gardeners, responded to Mr. Kennedy's address of welcome and spoke of the benefits the gardener may derive as a member of the national association; following which he introduced Daniel MacRorie of San Francisco, Cal.

Mr. MacRorie presented an invitation from the Panama-Pacific Exposition and also from the Pacific Coast Horticultural Society to the National Association of Gardeners to convene at San Francisco during the time of the exposition next year. He spoke of the interest the exposition will hold out to horticulturists, as it is intended to make it a great horticultural show. After listening to Mr. MacRorie's word picture of all that will be in store for those who will visit the Pacific Coast next year and how a meeting on the Coast will benefit the N. A. G., the association voted to accept the invitation and hold its summer meeting in San Francisco in 1915.

President Theodore Wirth, of the Society of American Florists, and a director of the National Association of Gardeners, was next introduced and spoke of the opportunities which are presented themselves in the West for the ambitious and efficient gardener. Mr. Wirth expressed it as his opinion

that while still in the development stage, the western private estates are beginning to compare favorably with those of the East. He said Western people are becoming interested in country estates in their own territories and the capable gardener will be more in demand in the West than he has been heretofore. In concluding Mr. Wirth made some remarks on affiliation and urged closer co-operation between the two national societies for the general good of horticulture.

Wm. F. Gude of Washington, D. C., the next speaker, made an appeal for the William R. Smith memorial and explained the work his committee is doing to secure funds to provide a suitable memorial for the late William R. Smith. In response to Mr. Gude's appeal, it was voted that the N. A. G. open a subscription list to enable members and others who might desire to contribute to this fund to do so and in this way aid the committee of the S. A. F. in securing a suitable memorial for Mr. Smith.

Prof. Edward A. White, professor of floriculture, College of Agriculture, Cornell University, spoke of the opportunities that now offer to young men in different colleges to secure a training in horticulture and floriculture and gave a brief outline of the work the New York College of Agriculture is now engaged in.

John Young, secretary of the S. A. F., read a paper on "What the S. A. F. Should Do for the Private Gardener," written by Arthur E. Thatcher, of Bar Harbor, Me., and who was to deliver it before the meeting but was suddenly called away from the convention. A general discussion followed.

Arthur Smith, of Reading, Pa., contributed an interesting paper to the meeting on "The Profession of Gardening," relating the history of the profession and discussing in detail the "ups and downs" that are encountered within the profession. The paper, which was read by Secretary Ebel, was acknowledged to be a

strong document on the many phases that enter into the profession of gardening. A hearty vote of thanks was tendered Mr. Smith for his able paper.

On a motion by W. N. Craig, President Waite appointed Mr. Craig and Duncan Finlayson of Brookline, Mass., and M. C. Ebel of Madison, N. J., a committee to draft a resolution conveying to the brother horticulturists abroad the sympathy of the members of the association on the terrible calamity that surrounds the European horticulturists at the present time. Following a general discussion of various problems with which gardeners are confronted from time to time, in which a number present participated, the meeting adjourned.

At the meeting of the executive board held in the forenoon it was voted to invite all florists clubs having private gardeners enrolled in their membership, to join in the cooperative movement of the N. A. G. to arouse a greater public interest in horticulture. The Cooperative Committee reported twenty-two organizations enrolled in the movement to date which include two from as far distant as California, one from Texas and one from Louisiana. It was also voted to hold the next annual convention in Philadelphia during the first week in December, to which exhibits of novelties and rare plants will be invited in competition for the associations' certificate of merit.

The Ninth Annual Dahlia, Gladiolus, Fruit and Vegetable Show of the New Jersey Floricultural Society will take place at Orange, N. J., on Monday, October 5th. The schedule of classes and premiums has been issued. There are 48 liberal classes. Copies may be had on application to George W. Strange, Secretary, 216 Main street, Orange, N. J.

"Enclosed find check for renewal of your paper, which I enjoy very much."
Mass. W. F.

More Red Devil Cutters Used Annually Than All Others Combined



"It's all in the wheel."

Send 6c. for sample No. 624 and Booklet 40 styles, and understand why.

SEND FOR BOOKLET ANY HOW.

SMITH & HEMENWAY CO., 161 CHAMBERS ST., NEW YORK

Boddington's Gigantic Pansies

Can be produced only from the giant strains. Our CHALLENGE PANSY seed contains in it the giant self-colors, the giant striped and variegated and the giant blotched, etc., all carefully mixed in proportion. You could not buy better seed if you paid \$100 per ounce. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and also of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "Challenge," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it Defiance?"

½ trade pkt. 25 cts., trade pkt. 50 cts., ¼ oz. 75 cts.,
¼ oz. \$1.50, ½ oz., \$2.75, oz. \$5.00.

1914 NOVELTY PANSY SIM'S GOLD MEDAL MIXTURE

Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim (renowned for Sweet Peas), Cliftondale, Mass., and we are offering seed from the originator for the first time. Trade pkt. 75 cts., 3 pkts. for \$2.00, ¼ oz. \$3.50.

Boddington's Quality "English" Pansy

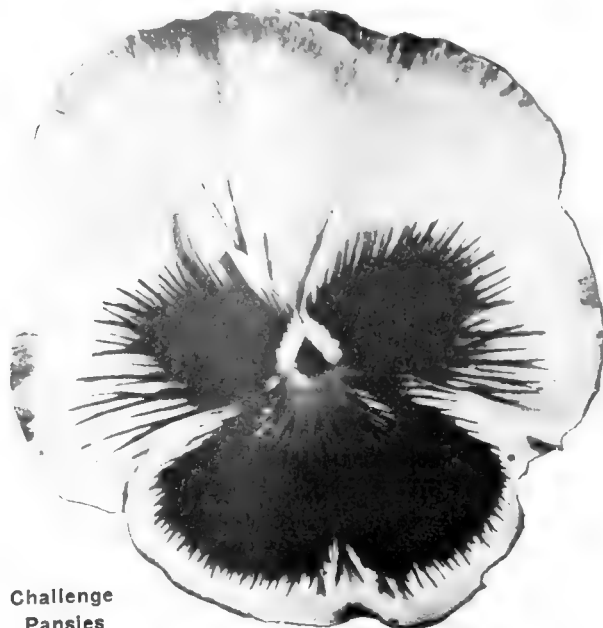
A superb strain of highly-colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms, and strongly recommends this mixture to florists.

Trade pkt. (500 seeds), \$1.00; ½ trade pkt. (250 seeds), 50c.
¼ oz., \$2.25; ½ oz., \$4.25; oz., \$8.00.

Other Choice Varieties of Giant Pansies

	Tr. pkt.	¼ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist.....	.50	2.75	10.00
Giant Trimardeau. Mammoth flowering, and in a good range of color.....	.15	.50	1.50
Giant Masterpiece (Frisled Pansy). Petals beautifully waved; exquisite colors.....	.25	1.25	4.00
Cassier's Giant. A fine strain of large, highly colored flowers.....	.15	.85	3.00
Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors.....	.50		
Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth.....	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes.....	.15	.75	2.50
Giant Lord Beaconsfield. Deep purple violet, top petals light blue.....	.15	.50	1.50
Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch.....	.15	.85	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamols, etc.	.25	1.75	4.00



Challenge Pansies

	Tr. pkt.	¼ oz.	Oz.
Giant Emperor William. Ultramarine blue, purple eye.....	\$0.10	\$0.50	\$1.50
Giant Golden Queen. Bright yellow; no eye.....	.15	.60	2.00
Giant Golden Yellow. Yellow; brown eye....	.15	.75	2.50
Giant King of the Blacks (Faust). Black....	.15	.60	2.00
Giant President McKinley. Golden yellow, large, dark blotch.....	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye.....	.15	.75	2.50
Giant Pretiosa. Crimson rose, white margin, violet blotch.....		1.25	4.00
Giant Rosy Lilac.....	.15	.60	2.00
Giant White. Violet spot.....	.10	.60	2.00

NOVELTY PANSIES

	Tr. pkt.
ADONIS. Light blue, with white center.....	\$0.25
ANDROMEDA. Rosy, with lavender tints.....	.25
BRIDESMAID. Giant flowers of rosy white.....	.25
EMPEROR FRANCIS JOSEPH. Pure white, large violet spots.....	.25
MAUVE QUEEN. A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine....	.25
PSYCHE. Violet, bordered white; beautifully waved petals.....	.25
PEACOCK. All the name implies; a most beautiful varicolored variety; peacock blue, edged white.....	.25
RUBY KING. Superb crimson and red shades.....	.25
SNOWFLAKE. Pure white; immense flower.....	.25
VULCAN. Giant brilliant dark red, with five black blotches; unique.....	.25
Collection of the above 10 varieties, one packet each, for \$2.00.	

"THESE PRICES ARE FOR THE TRADE ONLY"

Arthur T. Boddington, Seedsman

342 West 14th Street, NEW YORK

SEED TRADE

The catalogue men are having their own troubles just now. First sections of the December editions usually go to press in August, but while all was ready as in former years the war in Europe came along and the question arose whether to re-arrange the pages—omitting impossible items—or to make an errata insert. The latter seems to have most advocates; but in large editions the reductions in number of pages counts a good deal when the matter of postage is considered.

Another puzzler is the zone system. Whether to make a flat rate as in the old days of the eight-cents-a-pound; or quote according to distance. The main objection to the latter course seems to be that prospective buyers do not enjoy doing a lot of figuring to get at the cost, consequently the house that quotes a flat rate would be likely to get the business. There might be a loss in a few cases, but the gain in other directions would more than make up for that. The mail-order business owes its success very largely to the ease and simplicity of ordering with the all important proviso of price delivered. Firms like Sears, Roebuck & Co., never could have built up their wonderful business without that feature.

Latest advices from the fancy grass-seed districts in Holland give a rather gloomy view of the situation owing to the transportation difficulties in moving the seed in the rough from the fields to the warehouses for cleaning and putting in marketable shape. Some items will undoubtedly be very short and this combined with the no supply at all from Germany sources is sure to put an abnormal strain on the Holland supplies. Messrs. Barenbrug, Burgers & Co., writing under date of August 14 state that things are all upset, but that they are straining every nerve to meet the situation and will do everything humanly possible to satisfy all demands. Naturally they may be expected to give the preference to their old and steady customers first; but without prejudice to any. As is already well known the financial situation over there is very acute and bankers have curtailed their usual accommodations. Business is being done on an absolutely cash basis. This means a great curtailment unless the credit system can be again established and there seems little hope of that at present.

GEORGE C. WATSON.

In sustaining a protest by Henry & Lee, the Board of General Appraisers holds that fern balls are not to be regarded as nursery or greenhouse stock as assessed by the Collector, but are entitled to enter at the rate of 20 per cent. ad valorem as unenumerated manufactured articles. The Collector's assessment at the rate of 25 per cent. ad valorem is reversed.

WATER HYACINTH AS A FIBER PRODUCER.

(Consul General George E. Anderson, Hongkong, China.)

As a result of the usual spread of the water hyacinth (*Eichornia cras-*

sipes) in the waters of Cambodia and other portions of Indo-China there has been considerable investigation in that colony as to possible uses the plants could be put to as a means of clearing the rivers for navigation.

In connection with the discussion a French professor named Perrot has announced to the Chamber of Commerce at Saigon the results of experiments he has made with the plant as a fiber producer. He has extracted the fiber from the stock by means of a Ducheman machine and finds that after drying, preferably by gradual process, it can be made into serviceable rope and twine as well as coarse thread suitable for matting and sailcloth, and its use in Indo-China particularly is possible in bags for rice and other grain exports in place of the jute bags now imported. On a native loom it affords a strong flexible cloth of about the same quality as jute. The fiber takes dyes readily and has high tenacity. Its weight is about the same as that of jute, but can be reduced by treatment with chrome alum, which makes the product waterproof. By the process followed and carried out by native workers 100 kilos (220 pounds avoirdupois) of green stems yields 4.5 kilos (9.9 pounds) of fiber, as compared with from 3.5 to 4 per cent of fiber from sisal.

LOOKS LIKE A RASCAL.

New Brunswick, Aug. 14.—A term of three months in the county jail and a fine of \$200 was the sentence imposed yesterday afternoon upon Oliver J. Rise by Judge Peter F. Daly on a charge of selling bad seed to farmers. There were two indictments against him. The State Agricultural Experiment Station assisted in preparing the case against him.

Farmers throughout Mercer, Hunterdon, Bergen, Somerset and Middlesex counties were interested in this case. It was alleged by the state that Rice had sold millet and clover seed for No 1 red clover. He had paid \$1.75 a bushel for the millet and had sold it as red clover for \$10 a bushel, it was said. Harvey S. Clayton and Harvey S. Dey of Dayton testified yesterday to buying the seed. Neither had planted it after it had been analyzed.

The testimony showed that Rice had been operating in Middlesex County at Jamesburg, Rhode Hall, Spotswood, Cranbury, Plainsboro and Monmouth Junction. Rice did not take the stand, his counsel, August C. Streitwolf, declaring that he did not want his client to give any information to the State seed analyst.—*Newark, N. J., Evening News.*

A FRAUD.

We have been notified that a young man has been operating in Massachusetts, claiming to be a grandson of Peter Henderson, and has succeeded in obtaining money from some florists. He is a fraud pure and simple and the trade should be warned against him.

PETER HENDERSON & Co.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.



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Michell's Mignonette "COLOSSAL"

A strain which cannot be surpassed for forcing; a robust grower, and produces immense flower spikes. Our seeds are saved from greenhouse grown specimens and give splendid results. Trade pkt., 40c.; \$4.00 per oz.

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"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

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Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

All Seeds and Bulbs sold by Thorburn are always of the very highest quality and true to name.

ASPARAGUS

Plumous Nanus	
Per 1,000	
1,000	\$2.00
5,000	1.75
10,000	1.65

TUBEROSES

Dwarf Double Pearl	
Extra large size	
\$7.50 per 1000	

J. M. Thorburn & Co.

"The most reliable seeds"
53 Barclay St. NEW YORK, N. Y.

Bulbs Bulbs Bulbs

NOW READY

HARRISH LILIES, 7x9, \$1.35 doz., \$8.75 hundred.

AMARYLLIS JOHNSONI, large bulbs, 25c. each, \$2.25 doz.

AMARYLLIS VITTATA HYBRID, Giant Flowering, 50c. each, \$5.50 doz.

OXALIS, BERMUDA BUTTERCUP, mammoth bulbs, 20c. doz., \$1.10 hundred.

PANSY, Giant Superb Mixed, our own special strain. Cannot be surpassed. Convince yourself. 1-32 oz. 25c., 1/8 oz. 60c., 1/4 oz. \$1.35, 1 oz. \$5.00.

JAMES VICK'S SONS, ROCHESTER NEW YORK

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

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BULBS, PLANTS and SEEDS

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BEET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.

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Send list of wants.

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Universal

One of the finest varieties for the greenhouse, producing immense flower spikes of reddish green, sweetly scented. The seed we offer was saved for us by one of the largest growers of Mignonette for the Boston market.

Oz. \$15.00, 1/4 oz. \$3.75
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Order early
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Boston, Mass.**



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Our Triumph Exhibition Mixture

is especially desirable for its variety of colors and markings. Trade Packet, 75c.; Oz., \$6.00.

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Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

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G. E. M. STUMPP

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Deliver orders from any part of the country to
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Prompt Delivery of Steamer Orders.
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THE ROSERY

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FLOWER DELIVERIES FOR ALBANY
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FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New York cities and towns.

Palmer's

304 Main Street

BUFFALO, N. Y.

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When writing to advertisers kindly
mention HORTICULTURE.

Of Interest to Retail Florists

Penn, the Florist, purchased from F. R. Pierson Co., their entire exhibit of specimen nephrolepis displayed at Mechanics Building.

Frank M. Ross, Philadelphia, has purchased the 52nd street flower store of the Century Flower Shop from H. H. Battles, and will open same about Sept. 5th and run it under his own name as store number three of "Ross the Florist." This marks another step forward for one of Philadelphia's most enterprising retailers.

In the haste of Convention week we overlooked mention of the floral design sent from Knoxville, Tenn., to Rome, Ga., for the Wilson funeral, to the effect that it was 8 feet high by 4 feet wide and composed of America and Niagara gladioli, lily of the valley, White Killarney and Golden Gate roses, lilies, white and lavender asters. It was the work of Chas. L. Baum.

NEW FLOWER STORES.

Swampscott, Mass. E. G. Blaney, Burrill St.

Guelph, Ont.—Miss E. S. Marriott, 51 Quebec St.

Waterville, Me.—Charles E. Carter, 154 Main St.

Woodstock, Ill.—George Moncur, Main & Benton Sts.

Louisville, Ky.—F. Walker & Co., 312 W. Chestnut St.

Tacoma, Wash. — Haydin-Watson Flower Shop, 938 C St.

Chicago—John Mangel opened his new store in the New Marshall-Field Annex Bldg., last week.

H. C. Rowe is to open a wholesale and retail store at 160 North Wabash Ave., about September 15.

On August 22, Mrs. Lindon opened her new store at 828 East 47th St., to be known as the Drexel Floral Shop.

Marshall-Field & Co., will open a floral department early in September. They are fitting up a department extending fifty-five feet and facing the reception room on the third floor, and which will no doubt cut quite a feature in the floral trade in Chicago.

Mamaroneck, N. Y.—Thomas Skinner has purchased land on Post Road, on which he will erect houses. For the last three years he has been employed on the Hallet place.

"The Convention Number of HORTICULTURE is well and attractively arranged and certainly is a most creditable edition."

Mass.

M. H.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
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The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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825 ST. CATHERINE ST., W.
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here given will be promptly and prop-
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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.
New London, Conn.—Reuter's.
New Haven, Conn.—J. N. Champlon, 1026
Chapel St.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stunpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
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New York—A. Warendorff, 1193 Broad-
way.
New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
St. Paul, Minn.—L. L. May & Co.
Stamford, Conn.—"Quality Shop," Stam-
ford Seed & Nursery Co.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
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Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

CINCINNATI NOTES.

Miss Edith Kyrk is spending a few
weeks in the East. Miss Kyrk's moth-
er is accompanying her.

G. Brunner's Sons recovered the
Overland auto that was stolen from
them at New Albany, Ind.

Wm. Becher, a youthful employee of
Henry Schwartz's at Norwood, was
drowned at Madison Park on Sunday.

The Bloomburst Floral Co. at Lock-
land, were the first to cut good stock
from their young carnations. The first
shipments into the market were made
at the end of last week.

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MAX SCHLING
22 West 59th Street, adjoining Plaza Hotel
Best Florists in the States as References
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3 PLEASANT ST., WORCESTER, MASS

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CLUBS AND SOCIETIES

THE LANCASTER COUNTY FLORISTS CLUB.

On account of the S. A. F. meeting conflicting our regular meeting was held on the 13th, one week earlier than usual. At the home and farm of our president, B. F. Barr, a very attractive hour was spent inspecting his nurseries, large in every respect, in the number of varieties of trees and shrubs and in the quantity of each. His farm is a model all the way through.

About 4 P. M. games were started, in which George Dickel and John Schoenberger were the champions at quoit pitching, T. J. Nolan in croquet and Jacob Fleer in the bowling on the green. Mr. Fleer not only was champion but outclassed every one by his brilliant delivery of the ball.

A lunch was served by Mrs. Barr, assisted by Mrs. Charlie Eichler and Mrs. Chas. Edgar on the veranda.

At 7.30 the meeting was called to order and a motion was carried unanimously that we send \$10 toward the Smith Memorial and \$5 toward a bowling prize at the S. A. F. meeting in Boston. Considerable discussion was had over a letter received, asking the club's definition of an amateur, the writer of the letter claiming that while he sold about \$50 worth of stock during a season he was an amateur because he did not get the greater part of his income from it. The final decision was the dictionary definition of the word, that "an amateur is one who follows an art or profession for the love of it and without gain" so that a man who grows flowers for the love of them and sells them is neither an amateur nor a florist but a distinct species of his own as yet unnamed. Harry Rohrer read a delightfully descriptive paper on his recent trip to Europe and the British Isles.

Visitors present were T. J. Nolan of Tonawanda, N. Y., and A. H. Schaffer of York, Pa. Just before time for the car back to the city the writer presented Mrs. B. F. Barr a book as a gift from those present and as a memento of the occasion which was so delightful that it will likely be an annual occurrence.

The next meeting of the Club will be on Sept. 17th, and a review of the S. A. F. meeting given by the writer and a paper on the florist business from a retailer's point of view by Chas. Edgar.

AMERICAN ASSOCIATION OF NURSERYMEN.

At the June convention of this association, Secretary John Hall tendered his resignation, and after considerable discussion, during which regret was expressed that the secretary felt it his duty to sever his connection with the association, the selection of his successor was vested in the Executive Committee, Mr. Hall being re-elected to serve until advised that his successor was appointed. The committee, consisting of Messrs. J. H. Dayton, Painesville, Ohio; Thomas B. Meehan, Dresher, Pa., and J. B. Pilkington, Portland, Oregon, subsequently inter-

viewed Mr. Hall, who agreed to continue if the association could see its way clear to make such addition to the compensation as will enable him to employ clerical help for detail work, &c. The Executive Committee, through its chairman, Mr. Dayton, has advised Mr. Hall of their unanimous agreement to his request, and of his selection to succeed himself.

1915 Convention June 23-25.

At the Cleveland Convention Secretary Hall was instructed to submit a referendum to the members as to choice of date for the holding of the annual meeting, to be held at Detroit, Mich., in 1915. Out of 436 postals sent out 250 were returned up to August 25th, the count showing that 190 prefer the fourth Wednesday in June. The postals were sent out August 5th and the count made August 25th.

AMERICAN GLADIOLUS SOCIETY.

As briefly reported in our last issue the fifth annual meeting of the American Gladiolus Society was held at the Copley Square Hotel, Boston, Mass, at 2 o'clock, Aug. 19th. The meeting was opened by President Chamberlain. The minutes of the Minneapolis meeting were read by the secretary and approved. The report of Treasurer Cropp showed receipts of \$785.46 and expenditures of \$314.50, leaving cash on hand \$470.96.

Mr. Cowee reported that the appropriations for the work of the investigation of diseases at Cornell had been discontinued by the state of New York but that the work was, however, being carried on satisfactorily. Prof. Beal reported that the work at the trial grounds was now in charge of Mr. Hoddis, his assistant, who was very competent and thorough in this work and urged all members to visit the grounds.

Resolutions presented by A. Cowee for revision of the by-laws and pledging support to the publication known as the Modern Gladiolus Grower were referred to a committee of three with Montague Chamberlain, chairman. It was voted that the executive committee consider the advisability of holding a midsummer exhibition during next year. Following a lengthy discussion regarding the status of amateur and professional exhibitors it was voted to refer this question to the committee on by-laws. For list of officers elected see issue of August 22.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The monthly meeting of the W. and F. Society was held Friday evening, August 14. A resolution of thanks was extended to all those who in various ways helped to make the outing so enjoyable. Several substantial additions were again received at this meeting for the premium lists of the fall show. The schedule will be issued in September and will be much the same as that of last year, with but few alterations in the classes. There will be several additional classes for which special prizes are offered. A. L. Mar-

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shall was highly commended for a display of choice named varieties of gladioli consisting largely of the new imported sorts. Fred. Lagerstam was accorded a vote of thanks for pink phlox and heliopsis, Statice latifolia and asters that were remarkable for size and length of stem. A vote of thanks was extended to P. W. Popp for a display of pansies. The next meeting will be held September 11.

P. W. POPP.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The monthly meeting of the Nassau County Horticultural Society was held at Pembroke Hall, Glen Cove, N. Y., on Aug. 12th. Special prizes for the fall shows were received from Weeber & Don, Bon Arbor Co., H. A. Dreer, H. S. Ladew and Mrs. Bucknall. Monthly awards were as follows: Vegetables, 1st F. Honeyman, 2nd W. Noonan. Hon. mention to F. Titus for globe artichokes, Jos. Robinson for Ailsa Craig onions, and John Lewis Childs for gladiolus. Owing to shortness of time for preparation it was decided not to exhibit as a society at the N. Y. State Fair at Syracuse. Exhibits for next meeting Sept. 9th, 12 asters, 12 gladioli, 1 musk melon.

HARRY JONES, Cor. Sec'y.

The St. Louis County Growers' Association will hold its regular monthly meeting Wednesday, September 29.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The exhibition which this society put up in Horticultural Hall, as a happy after thought, in honor of the visiting horticulturists filled all three halls in the building with a glowing display that was beautiful in the extreme and gave much pleasure to hundreds of the S. A. F. visitors as well as thousands of the local public.

The leading feature was the sensational display of gladioli by William Sim which was declared by all to be the finest in quality and effect they had ever seen. The collection almost completely filled the large lecture hall and comprised the best of the modern varieties. It proved impracticable for James Marlborough to duplicate his gorgeous display of fancy leaved caladiums of the previous week but R. & J. Farquhar stepped into the gap with a collection of fine varieties which were effectively arranged around the fountain basin. The aconitums from Mt. Desert Nurseries made a grand show. The rest of the story may be drawn from the list of awards which follows:

Gold Medal—William Sim, for excellence in display of gladioli.

Silver Medals—B. Hammond Tracy, artistic display of gladioli; John Lewis Childs, display of named gladioli.

First Class Certificate of Merit—Jackson Dawson, display of hardy heaths.

Cultural Certificate—William Sim, for gladioli.

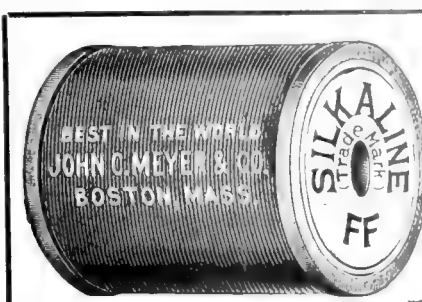
Honorable Mention: Old Town Nurseries, display of gladioli and herbaceous flowers; Miss Mary Flood, display of China asters; R. & J. Farquhar & Co., display of herbaceous flowers; Mrs. Frederick Ayer, display of fuchsias; Walter Hunnewell, display of *Buddleia variabilis* manifica; Mt. Desert Nurseries, display of aconitum; Eastern Nurseries, display of herbaceous flowers; T. C. Thurlow's Sons Co., display of phloxes; W. W. Edgar Co., display of commercial decorative plants; F. J. Ren, display of phloxes; William Whitman, display of China asters and herbaceous flowers; E. B. Dane, display of orchids; A. W. Preston, display of hybrid tea roses; William Nicholson, display of *Buddleia* varieties; Faulkner Farm, collection of new gladioli originated by Wm. Pfitzer, Stuttgart, Germany; Miss Isabelle Miller, sweet peas; Mrs. Frank Merriam, geraniums; Wilbur D. Moon, display of cut dahlias; Mrs. E. M. Gill, display of cut flowers.

NEWPORT FLOWER SHOW.

The flower show of the Newport Garden Club and Newport Horticultural Society, which was held August 13, 14 and 15 at "Belcourt," was a decided social success and goes on record as being the best conducted affair of its kind ever held in Newport.

"Belcourt" is the residence of Mrs. O. H. P. Belmont, and its spacious carriage house, court yards, and the lawn with its shady nooks, proved to be an ideal place for the affair. The Garden Club, which is composed of the elite of the summer colony, financed the layout of the grounds and employed experts for the various branches of the work, with Arthur Herrington, of Madison, N. J., as manager, aided by a committee from the Horticultural Society. In the evening the grounds were illuminated and dancing was indulged in in a specially prepared pavilion.

Among the many things included in the premium list, gladioli were most extensively exhibited, B. Hammond Tracy making a grand exhibit, which was judged the best feature of the



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show and winning a handsome silver cup from the Garden Club, also a silver medal from the Horticultural Society.

A valuable silver cup for the second best exhibit was awarded to J. Lewis Childs for an unusually attractive display of gladioli arranged by A. T. Bunyard, of New York and Newport.

The Stumpp & Walter Co. cup, for a collection of vegetables, was won by J. B. Urquhart, gardener for R. L. Beekman. Another cup, offered by R. & J. Farquhar & Co., for best display of hardy perennials, went to the Palisades Nurseries.

The best competed class was one for six vases of outdoor flowers tastefully arranged, there being nine competitors making an excellent showing. James Bond, gardener for Mrs. H. M. Brooks, was the first in this class, and Daniel Hay, gardener for Mrs. French Vanderbilt, was second.

In other important classes the following were the most successful exhibitors:

James Boyd, gardener for Vincent Astor, specimen greenhouse plants; William McGilvery, gardener for Stewart Duncan, hydrangeas; Edward Jenkins, Lenox, Mass., campanula pyramidalis; Paul DeNave, Fall River, Mass., orchids; Fred E. Lewis, Ridgefield, Conn., grapes, peaches and nectarines; Arthur Griffin, Marion, Mass., gladioli; David Roy, Marion, Mass., fuchsias; R. & J. Farquhar & Co., Chinese and Japanese lilies; Mrs. John, New Bedford, Mass., dahlias; George L. Stillman, Westbury, R. I., dahlias; H. A. Dreer, water lilies; Wilson's Nurseries, conifers; F. R. Pierson, evergreens; J. Robertson, palms and dahlias; Gibson Bros., yellow flowers; Sisson & Thurston, dahlias; J. B. Urquhart, ferns, gardenias and roses; James Watt, tuberous begonias and glorias; Oscar Schultz, bay trees; Daniel Hay, geraniums and gladioli; James Bond, groups of greenhouse plants; Hugh Williamson, miniature garden for which he received a silver medal.

The judges of the show were John T. Allen, A. S. Meikle and Bruce Butterton, of Newport; Robert Johnston, of Southboro, Mass.; Maurice Fuld, New York, and Mr. Cruikshank, of the R. & J. Farquhar Co.

On the evening of the second day of the show Mrs. C. H. Hoffman, who is the leader of the Garden Club, provided a dinner at the Bellevue Hotel for the workers at the show, visitors and officers of the society. After an excellent dinner had been fully enjoyed, President MacKay called on the following gentlemen for remarks: Col. A. K. McMahon, A. Herrington, John Hay, Alexander MacLellan, Maurice Fuld, John B. Sullivan and B. Hammond Tracy. All speakers had praise for the show and its management and predicted a still more successful one of its kind for next year.

JAMES ROBERTSON

GLADIOLUS SOCIETY OF OHIO.

List of Awards at the Cleveland Show, Aug. 14-15, 1914.

Display by Amateur—Silver medal to John Betscher; bronze medal to Madison Cooper. Best Display, open class—Silver cup to Bidwell & Fobes.

Best Collection, 10 var.—Coleman silver cup to R. E. Huntington.

New Seedling—Certificate of Merit to Wilbur A. Christy.

Primulinus Hybrids—Betscher prize, cash, to Clark W. Brown.

Vase Cut Gladioli—H. F. Michell Co. bronze medal to Bidwell & Fobes.

Vase Niagara—Perkins-King Co. prize to Bidwell & Fobes.

Vase Solid White—Munsell & Harvey prize to Thomann & Sons, Rochester.

Vase America—Betscher prize to Bidwell & Fobes; Mrs. F. King, do, C. B. Gates;

Panama, do, Bidwell & Fobes; Mrs. F. Pendeton, do, Bidwell & Fobes; Glory, do, Bidwell & Fobes; Florists' White, do, Bidwell & Fobes; Light Pink, do, Munsell & Harvey; Rose Pink, do, Perkins-King Co.; Yellow, do, Bidwell & Fobes.

Red—W. Atlee Burpee Co. prize to Munsell & Harvey.

Michigan—E. E. Stewart prize to Madison Cooper; Black Beauty, do, Madison Cooper.

New Seedling—H. J. Alford prize to J. Thomann & Sons.

Blue Wilbur A. Christy prize to R. E. Huntington.

Basket Decoration—A. H. Austin Co. silver cup to Jones-Russell Co., Cleveland.

Best Display of Standard Varieties—Telling silver cup to R. E. Huntington.

Best Display New Varieties—Florists' Club silver cup to J. Thomann & Sons.

Largest Display in the Show—Mathews Mfg. Co. prize to Munsell & Harvey.

WILBUR A. CHRISTY.

Secretary and Treasurer.

CLUB AND SOCIETY NOTES.

The next meeting of the St. Louis Lady Florists' Home Circle will be at the home of Mrs. John L. Koenig on Wednesday afternoon, September 9th.

The fifth annual exhibition of the Florists' and Gardeners' Club will be held in the Town Hall, Lawrence, Mass., on September 4 and 5. Seven or more handsome cups are to be competed for.

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	CINCINNATI August 24	CHICAGO August 10	BUFFALO August 24	PITTSBURG August 24
Roses				
Am. Beauty, Special.....	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 20.00
" " Fancy and Extra.....	20.00 to 25.00	15.00 to 20.00	12.00 to 15.00	10.00 to 12.00
" " No. 1.....	15.00 to 20.00	5.00 to 10.00	10.00 to 12.00	6.00 to 8.00
Killarney, Richmond, Extra.....	4.00 to 6.00	5.00 to 6.00	5.00 to 6.00	6.00 to 8.00
" " Ordinary.....	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00 to 6.00	5.00 to 6.00	4.00 to 5.00	6.00 to 8.00
" " Ordinary.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	..... to 4.00
Maryland, Taft, Extra.....	4.00 to 6.00	5.00 to 8.00	5.00 to 6.00	6.00 to 8.00
" " Ordinary.....	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	..... to 4.00
Russell, Shawyer.....	2.00 to 6.00	4.00 to 20.00	5.00 to 6.00	..... to
Carnations, Fancy.....	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50	..... to 2.00
" " Ordinary.....	..... to .....	.50 to 1.00	..... to .....	..... to 1.00
Cattleyas.....	..... to	30.00 to 35.00	40.00 to 50.00	35.00 to 50.00
Lilies, Longiflorum.....	8.00 to 10.00	..... to 8.00	8.00 to 10.00	8.00 to 10.00
Lily of the Valley.....	..... to	3.00 to 4.00	..... to 4.00	2.00 to 4.00
Asters.....	2.00 to 4.00	1.00 to 4.00	1.00 to 3.00	.50 to 3.00
Gladia.....	2.00 to 4.00	2.00 to 4.00	1.00 to 3.00	1.00 to 4.00
Corn Flower.....	..... to .....	..... to .....	..... to .....	..... to
Daisies, white and yellow.....	..... to .....	.25 to .50	..... to .....	..... to
Sweet Peas.....	..... to .....	..... to .....	.20 to .30	..... to
Gardenias.....	..... to .....	..... to .....	..... to .....	..... to
Adiantum.....	..... to 1.00	..... to 1.00	1.00 to 1.25	1.00 to 1.25
Smilax.....	..... to 12.50	12.00 to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumosus, Strings (100).....	20.00 to 25.00	40.00 to 50.00	40.00 to 60.00	40.00 to 50.00
" " & Spreng. (100 bchs.).....	20.00 to 25.00	25.00 to 35.00	25.00 to 35.00	40.00 to 50.00



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Flower Market Reports

BOSTON Still a very dull market, with the lightest demand ever experienced in August. The wholesale marts are literally swamped with roses. Asters are coming in plentifully and of splendid quality. Gladioli are also still abundant and good. Sweet peas are quite scarce. The best demand is enjoyed by American Beauty roses, lily of the valley, adiantum and orchids. The new crop of carnations has commenced to come in, short-stemmed but good, White Perfection showing particularly fine form and fully justifying its name.

Trade has improved
BUFFALO slightly the past week, though there was a demand last week for good asters and double white Killarney roses. Weddings are beginning to come on and floral work has been more in evidence, calling for lily of the valley and other good flowers. Gladioli have been overflooding the market but it now seems as if the heaviest crops are over. The market is in much better condition and things have brightened up somewhat. There are plenty of short roses, lilies and other stock.

The hot weather which
CHICAGO has prevailed the entire week has had a very discouraging effect on the market. Stock in all lines has accumulated to such an extent that it is impossible to move

WHOLESALE FLOWER MARKETS

TRADE PRICES — Per 100
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	BOSTON August 27		ST. LOUIS August 24		PHILA. August 24	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
" Fancy and Extra	6.00	to 12.00	10.00	to 15.00	10.00	to 12.50
" No. 1	2.00	to 4.00	5.00	to 8.00	3.00	to 8.00
Killarney, Richmond, Extra	3.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" Ordinary	.25	to 2.00	1.00	to 2.00	1.00	to 1.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" Ordinary	.50	to 2.00	2.00	to 3.00	1.00	to 1.00
Maryland, Taft, Extra	1.00	to 6.00	4.00	to 5.00	4.00	to 6.00
" Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 3.00
Russell, Sawyer	3.00	to 12.00	4.00	to 8.00	3.00	to 8.00
Carnations, Fancy	1.00	to 2.00	2.00	to 4.00	1.00	to 2.00
" Ordinary	.50	to .75	1.00	to 1.50	1.00	to 1.00
Cattleyas	10.00	to 40.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum	4.00	to 6.00	6.00	to 8.00	6.00	to 10.00
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	1.00	to 3.00
Asters	.15	to 1.00	1.00	to 4.00	.50	to 2.00
Gladioli	1.00	to 2.00	1.00	to 3.00	1.00	to 3.00
Corn Flower	.....	to .75	.....	to 1.00	.25	to .15
Daisies, white and yellow	.....	to .50	1.00	to 2.00	.....	to
Sweet Peas	.10	to .25	.....	to .....	.....	to
Gardenias	.....	to 1.00	.....	to .....	.....	to
Adiantum	.75	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	15.00	to 25.00
Asparagus Plumosus, Strings (100)	15.00	to 50.00	35.00	to 50.00	35.00	to 50.00
" & Spreng. (100 Bch.)	10.00	to 35.00	15.00	to 25.00	25.00	to 50.00

it at almost any price. Beauties and other roses have suffered severely—quality deteriorated to a marked degree, most of the stock received being open and soft. At the present writing the weather has turned much cooler and it is hoped that this may continue. Carnations are more in evidence each day; length of stem is increasing somewhat, but the great bulk of the stock is still short-stemmed, however. Gladioli are back in the rut again, receipts being very heavy and demand slow. Asters are plentiful but really first-class stock is short of demand; the inferior grades move slowly. Lilies and lily of the valley are fairly active, supply being about equal to demand.

Gladioli and asters
CINCINNATI are at their best. The first cosmos and dahlias are in the market. With the cooler nights the roses have improved greatly. The first of the cuts from the young carnations are on hand. It is just the overlapping of the flowers for the respective seasons. Business is on the whole rather poor. There is plenty of stock of all kinds, but the demand is rather weak. A few flowers such as choice asters sell readily, but the great bulk of the week's offering moves slowly if at all. Prices are low, so that with the limited call for stock the aggregate sales do not run into large figures.

Continued on page 348

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American Beauty, Special	5.00	to 15.00	5.00	to 15.00
" " Fancy and Extra	5.00	to 10.00	5.00	to 10.00
" " No. 1	1.00	to 4.00	1.00	to 4.00
Killarney, Richmond, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Maryland, Taft, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Russell, Shawyer	2.00	to 5.00	2.00	to 5.00
Carnations, Fancy Grade75	to 1.00	.75	to 1.00
" " Ordinary50	to .75	.50	to .75

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OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
106 WEST 28TH ST., NEW YORK.
Opens 6 A. M. daily.
Telephone, 167 and 4468 Mad. Sq.



Flower Market Reports

(Continued from page 1)

NEW YORK We are sorry to have to tell again the thread-bare tale of congested wholesale market and utter absence of demand for anything in the line of flowers, but it cannot be helped. The same conditions exist as regards choice quality goods as in the low grade. Nothing is exempt. American Beauty, lily of the valley, roses, asters, gladioli, everything—in the same predicament. It is really a very serious situation, with no apparent rift in the cloud as regards the future. We hope to be able to say something more encouraging next week.

PHILADELPHIA Business is as good as last year for same period but a much larger quantity of stock is arriving—the increase being especially in asters and gladioli. All the good asters are easily sold but there is an immense lot so poor that they can not be disposed of at any price. The gladiolus situation is not so bad although here also there is a large percentage of only fair quality. Beauties are improving right along, with the new crop locals showing up in good form. Roses of all kinds are plentiful. Lilies are very good and more than can readily be used to good advantage. Orchids scarce. Lily of the valley plentiful. Lots of outdoor subjects such as tuberose, hydrangeas, tritomas, sunflowers, etc.

ST. LOUIS The week opens quite cheerfully with rain falling which is badly needed. The wholesalers have had another dull week and the receipts seem even heavier than the week previous, especially so in roses. In these the price is so low in big lots that hardly express charges are paid. Low prices prevail in all grades. Stock is very heavy in asters and gladioli with the demand light. Good quality in carnations is scarce, no over-supply coming in. There is an abundance of lilies but lily of the valley and sweet peas are scarce.

CHICAGO NOTES.

The store windows are still gay with water lily blooms. With the banks of garden grown flowers and an occasional vase of some of the new roses, these are the chief feature of window displays.

Many of the Chicago visitors to the Boston Convention are enjoying side trips to New York, Philadelphia and other points of interest in the East and will not return home until later. But so far as heard from, those who have returned are unanimous in pronouncing this year's convention "the best ever" and can not say too much in praise of Boston hospitality and are looking forward to a trip to the far West next year, with San Francisco as the objective point and the special rate of \$55 from Chicago to San Francisco is an additional attraction.

"The Convention Number is a wonder. I congratulate you."

New York.

R. F.

FANCY OR DAGGER FERNS

New Crop Fancy Ferns - - - - \$0.75 per 1000
Dagger Ferns - - - - .75 per 1000

Discount on large orders

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

Tel. Office, New Salem, Mass.
L. D. Phone ConnectionBronze and Green Galax, \$1.00 per 1000,
5c per case of 10,000.

Sphagnum Moss, large sack, only 40c

Pine by the pound, 5c, or by the yard

Branch Laurel, 35c for a large bundle

Southern Smilax, 50 lb. cases, \$5.00

Green and Bronze Leucothoe Sprays, \$1.50

per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.

Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 22 1914		First Half of Week beginning Aug. 24 1914	
Cattleyas.....	15.00	to 35.00	15.00	to 40.00
Lilies, Longiflorum.....	1.50	to 3.00	1.50	to 2.00
" Rubrum.....	2.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Asters.....	.25	to 1.00	.25	to 1.00
Gladioli.....	.50	to 1.00	.50	to 1.00
Corn Flower.....	.....	to .25	.....	to .25
Daisies, white and yellow.....	.....	to .50	.....	to .50
Sweet Peas (per 100 bunches).....	1.00	to 5.00	1.00	to 5.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00
Adiantum.....	.....	to .50	.....	to .50
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	25.00	to 35.00
& Spreen (100 bunches).....	15.00	to 20.00	15.00	to 20.00

BOSTON CO-OPERATIVE FLOWER MARKET

The 11th Annual SALE OF STALLS will be held
on Saturday, Sept. 5th, 1914, at 260 Devonshire
Street, Boston, at 9.30 o'clock, A. M.

ROBERT MONTGOMERY, President.

WM. W. TAILBY, Clerk.

VISITORS' REGISTER.

St. Louis—D. F. Lomason of D. M. Ferry Co., Detroit; M. L. Vine, representing Leon Co., New York, and Max Fierstein, of the Moore Seed Co., Philadelphia.

Cincinnati—Mr. and Mrs. William Gardner, New Castle, Ind.; Mrs. George Gans, Richmond, Ind.; Ellis Woodworth, representing the Sefton Mfg. Co., Chicago, Ills.; Mr. Moriehard of the Pennock-Meehan Co., Philadelphia, Pa., and M. Anderson of Lebanon, Ohio.

Philadelphia—F. H. Holton, wife and daughter, Holton & Hunkel, Milwaukee, Wis.; Daniel Carmichael, J. M. McCullough's Sons, Cincinnati, O.; M. Weiland, Evanston, Ills.; Mr. Windler, St. Louis, Mo.; Paul Kling-sporn, Chicago, Ills.; E. G. Hill, Richmond, Ind.; H. Papworth, New Orleans, La.; Frank Gaul, Pennock-Meehan Co., Washington, D. C.; Frank Gorley, St. Louis, Mo.; Walter W. Coles and wife, Kokomo, Ind.; Robert Graham and wife, Baltimore, Md.; Mr. and Mrs. John Walker, Youngstown, O.; Joseph Thomas, Greensburg, Pa.; Mr. and Mrs. Ben Elliott, of Jno. Bader Co., Pittsburgh, Pa.; William Rehder, Wilmington, N. C.; George E. Kay, Youngstown, O.; W. A. Higginson,

mgr., Hammond Co., Richmond, Va.; Jno. D. Hooper, Richmond, Va.

ST. LOUIS NOTES.

W. S. Wells of the Wells Floral Co., with his family are visiting Oxford, Ohio, Mr. Wells' home town.

R. A. McPherson of Litchfield, Ill., with his family, stopped over here a few days on their way home from a six-weeks' California trip.

Park Superintendent E. Streble of this city and Elmer Griffin of East St. Louis, park superintendent, are this week in Newburgh, N. Y., attending the convention of Park Superintendents.

The John T. Milliken plant at Crescent, Mo., is in charge of William Mehl, with George Schmidt and Carl Thompson as rose growers. This plant now comprises 75,000 feet of glass with 25,000 more to be added next year. Roses, carnations, lilies and violets will be grown for the St. Louis market.

ROBERT J. DYSART PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting
especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED

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40 STATE ST. - - - - BOSTON

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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIARIS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and
Florence Davenport. 2 1/4 in. pots. De-
livery from May 15th. JULIUS ROEHRS
CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., New York City.

King Construction Co., North Tonawanda,

N. Y.
"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on
demand. JULIUS ROEHRS CO., Ruther-
ford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

BULBS AND TUBERS—Continued

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.
French Bulbs.
For page see List of Advertisers.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CAMELLIAS

Thousands of plants from 6 in.-9 in. pots,
covered with flowering buds—in many
varieties. JULIUS ROEHRS CO., Ruther-
ford, N. J.

CANES

Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

400 Pink Enchantress, 250 White En-
chantress, 200 Harry Penn, 150 White Per-
fection, 300 Queen; good plants, field
grown; \$6.00 per 100. Cash. CHAS. H.
GREEN, Spencer, Mass.

FIELD GROWN CARNATIONS

Ready Now.
Best stock we have ever had of the
Novelties and Standards.
Write for prices.

CHARLES H. TOTTY, MADISON, N. J.

FIELD GROWN CARNATIONS.

850 Pink Delight; 500 White Wonder;
1000 Windsor; 500 Beacon; 300 Benora.
Will sell the lot reasonable. Write or tele-
phone JOHN T. HOWELL, 139 Summer
St., Watertown, Mass. Telephone connec-
tion.

CARNATION STAPLE

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 2000 for \$1.00 post paid. I. L.
PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CHRISTMAS PEPPERS

Christmas Peppers Birdseye, extra fine
stock plants in bloom, 2 1/4 in., \$2.50 per
100; 4 in. in fruit, \$6.00 per 100. CARL-
MAN RIBSAM, 31 Wall St., Trenton, N. J.

CROTONS.

Robert Craig Co., Philadelphia, Pa.

CYCLAMENS

Thomas Roland, Nabant, Mass.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

Cyclamen, best German strain, in fine
assorted colors; good stock out of 2 1/4 in.
pots at \$5.00 per 100. J. H. FLESSER,
North Bergen, N. J.

Cyclamen from 3 1/4 in. pots, \$15.00 per
100; 4 in., \$25.00 per 100; 5 in., \$50.00 per
100. Finest strain, separate colors.
JULIUS ROEHRS CO., Rutherford, N. J.

DAHLIAS

Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns for Dishes; Bird's Nest Ferns.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechslin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

For List of Advertisers See Page 315

FERTILIZERS

- 20th Century Plant Food Co., Beverly, Mass.**
Cocoanut Fibre Soil.
For page see List of Advertisers.
- Pulverized Manure Co., Chicago, Ill.**
Wizard Brand Cattle Manure.
For page see List of Advertisers.
- Stumpp & Walter Co., New York City.**
Scotch Soot.
For page see List of Advertisers.
- The Plantlife Co., New York, N. Y.**
For page see List of Advertisers.
- Farmers' and Florists' Fertilizer Co., Chicago, Ill.**
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.
- Elmer D. Smith & Co., Adrian, Mich.**
Plant Food.
For page see List of Advertisers.

FLORISTS' LETTERS

- Boston Florist Letter Co., Boston, Mass.**
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., Boston, Mass.**
For page see List of Advertisers.
- M. Rice Co., Philadelphia, Pa.**
For page see List of Advertisers.
- Reed & Keller, New York City.**
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia, Pa.**
For page see List of Advertisers.
- H. Bayersdorfer & Co., Philadelphia, Pa.**
For page see List of Advertisers.
- Welch Bros. Co., Boston, Mass.**
For page see List of Advertisers.
- Komada Bros., Philadelphia, Pa.**
For page see List of Advertisers.

FLOWER POTS

- E. Allan Peirce, Waltham, Mass.**
Peirce Paper Flower Pot.
For page see List of Advertisers.
- W. H. Ernest, Washington, D. C.**
Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Inc., Cambridge, Mass.**
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.**
For page see List of Advertisers.

FORCING FRAMES

- Geo. N. Barrie, Brookline, Mass.**
Glass and Wooden.
For page see List of Advertisers.

FUNGINE

- Aphine Mfg. Co., Madison, N. J.**
For page see List of Advertisers.

GALAX

- Michigan Cut Flower Co., Detroit, Mich.**
For page see List of Advertisers.

GERANIUMS

- R. Vincent, Jr., & Sons Co., White Marsh, Md.**
For page see List of Advertisers.
- Alonzo J. Bryan, Washington, N. J.**
For page see List of Advertisers.
- Geraniums, La Favorite, Perkins, Jean Oberle, Ricard, Landry, Col. Thomas, Dagata, Vlaud, \$2.00 per 100, \$18.50 per 1000. Clair Frenot, Luigi Grandi, Mrs. E. G. Hill, Poitevine, Mrs. Annie Vincent, \$2.50 per 100, \$20.00 per 1000. Ruby \$4.00 per 100. S. A. Nutt at the special price of \$1.75 per 100, \$16.00 per 1000. The above is all fine stock in two inch pots. Write for Catalogue, F. H. DEWITT & COMPANY, Wooster, Ohio.

GLADIOLUS

- John Lewis Childs, Flowerfield, L. I., N. Y.**
For page see List of Advertisers.

GLASS

- Sharp, Partridge & Co., Chicago.**
For page see List of Advertisers.
- Parshelsky Bros., Inc., Brooklyn, N. Y.**
For page see List of Advertisers.
- Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.**

GLASS CUTTERS

- Smith & Hemenway Co., New York City.**
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.**
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

- Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. **FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa.** Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset, Boston.**
Stearns Cypress.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, N. Y.**
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.**

- S. Jacobs & Sons, Brooklyn, N. Y.**
For page see List of Advertisers.

- Lord & Burnham Co., New York City.**
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

- King Construction Co., N. Tonawanda, N. Y.**
For page see List of Advertisers.

- A. T. Stearns Lumber Co., Boston, Mass.**
For page see List of Advertisers.

- Pierson U-Bar Co., New York City.**

- Metropolitan Material Co., Brooklyn, N. Y.**

- Hitchings & Co., New York City.**

- Foley Greenhouse Manuf. Co., Chicago, Ill.**
For page see List of Advertisers.

- Lord & Burnham Co., New York City.**
For page see List of Advertisers.

GREENHOUSE LIGHTING PLANTS

- Country Engineering Co., New York City**

GUTTERS

- King Construction Co., N. Tonawanda, N. Y.**
King Channel Gutter.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.**
Iron Gutters.

HAIL INSURANCE

- Florists' Hall Asso. of America.**
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

- Michigan Cut Flower Exchange, Detroit, Mich.**
For page see List of Advertisers.
- Crowl Fern Co., Millington, Mass.**
Fancy and Dancer Ferns.
For page see List of Advertisers.
- The Kervan Co., New York.**
For page see List of Advertisers.

HARDWOOD ASHES

- Hardwood Ashes for sale. GEO. L. MUNROE & SONS, Oswego, N. Y.**

HEATING APPARATUS

- Kroeschell Bros. Co., Chicago.**
For page see List of Advertisers.
- Lord & Burnham Co., New York City.**
For page see List of Advertisers.

HELIOTROPES

- Alonzo J. Bryan, Washington, N. J.**
For page see List of Advertisers.

HERBACEOUS PERENNIALS

- Bay State Nurseries, No. Abington, Mass.**
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.**
For page see List of Advertisers.
- Bobbinck & Atkins, Rutherford, N. J.**
For page see List of Advertisers.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.**
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.**
For page see List of Advertisers.
- Lord & Burnham Co., New York City.**
For page see List of Advertisers.

HOSE

- H. A. Dreer, Philadelphia, Pa.**
For page see List of Advertisers.

HYDRANGEAS

- F. R. Pierson, Tarrytown-on-Hudson, N. Y.**
- Anton Schulthels, College Point, L. I., N. Y.**
For page see List of Advertisers.

INSECTICIDES

- Aphine Manufacturing Co., Madison, N. J.**
Aphine and Fungine.
For page see List of Advertisers.
- Lemon Oil Co., Baltimore, Md.**
Standard Insecticides.
For page see List of Advertisers.
- Nicotine Mfg. Co., St. Louis, Mo.**
Aphis Punk and Nikoteen.
For page see List of Advertisers.
- Plantlife Co., New York City.**
Plantlife.
For page see List of Advertisers.
- Kentucky Tobacco Product Co., Louisville, Ky.**
"Nico-Fume."
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.**
Imp Soap Spray.
For page see List of Advertisers.
- Roman J. Irwin, New York City.**
Nico Fume Liquid and Paper.
For page see List of Advertisers.
- Hammond Slug Shot Works, Beacon, N. Y.**
Hammond's Grape Dust.

IRIS**THE IRIS! THE IRIS!**

- 200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per root. Some of the finest on earth. Send 10 cents for Iris manual.
C. S. HARRISON SELECT NURSERY,
York, Nebr.

IRIS!**IRIS!****IRIS!**

- Best Varieties. Strong Clumps.
To man, Mixed \$8.00 per 1000
Japanese, Mixed 10.00 per 1000
While they last.
FOX HALL FARM,
R. F. D. No. 2, Norfolk, Va.

JERUSALEM CHERRIES

- Jerusalem Cherry, out of 2 1/2 in. pots at \$3.00 per 100. J. H. FIESSER, North Bergen, N. J.**

- Jerusalem Cherries, fine strong and bushy plants ready for a 4 in. shift. Fra Diavola (new) and Capicastrum, 2 1/2 in., \$2.50 per 100; \$22.00 per 1000; 4 in., extra fine, \$6.00 per 100. CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.**

In writing to Advertisers kindly mention Horticulture

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILIUM HARRISII

F. R. Pierson Co., Tarrytown, N. Y.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Isaac Hicks & Son, Westerly, L. I., N. Y.
Hicks' Trees.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

PANSY SEED

A. T. Boddington, New York City
Gigantic Pansy Seed.
For page see List of Advertisers.

PEONIES.

T. C. Thurlow's Sons, Inc., West Newbury,
Mass.

Gold Medal Peonies.
For page see List of Advertisers.

S. G. Harris, Tarrytown, N. Y.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
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varieties. Write for list. THOMAS J.
OBERLIN, Sinking Spring, Pa.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PRIMULA MALACOIDES

A. L. Miller, Brooklyn, N. Y.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

F. R. Pierson, Tarrytown-on-Hudson, N. Y.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.
Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
Colossal Mignonette.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Mignonette Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumous Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Mignonette and Pansy Seed.
For page see List of Advertisers.

For List of Advertisers See Page 315

SEEDS—Continued

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Burnett Bros., New York City.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

Charles J. Jager Co., Boston, Mass.
Sprinkling, Irrigation and Water Supply
Outfits.
For page see List of Advertisers.

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SNAPDRAGONS—Rooted Cuttings, Silver Pink \$1.00 per 100; 2¼-in., \$2.00 per 100.
PINE GROVE FLORAL CORP., 35 Hudson St., Lynn, Mass.

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Live Sphagnum moss, orchid peat and orchid basket always on hand. **LAGER & HURRELL, Summit, N. J.**

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Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO., Rutherford, N. J.**

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Burnett Bros., New York City.
Pot-Grown.

C. S. Pratt, Reading, Mass.
Pot Grown.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co., Sunnyslope, Independence, Mo.
For page see List of Advertisers.

C. C. Morse & Co., San Francisco, Cal.
New Sweet Pea Margaret Atlee.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphne Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransdend St.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued

Philadelphia—Continued

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue

AUCTION SALE OF STALLS.

Boston Co-operative Flower Market, Boston, Mass.
For page see List of Advertisers.

BULBS FROM HOLLAND.

De Ruyter & Hogewoning, New York.
For page see List of Advertisers.

FERNS IN FLATS, CYBOTIUMS AND CYPERUS.

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

GUARANTEED NURSERY STOCK.

Isaac Hicks & Son, Westbury, L. I., N. Y.
For page see List of Advertisers.

"MARYLAND"

R. Vincent, Jr. & Sons, White Marsh, Md.
For page see List of Advertisers.

WHOLESALE FLORIST.

C. E. Critchell, Cincinnati, Ohio.
For page see List of Advertisers.

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House and greenhouses, dwelling house, fine condition, modern improvements. 5000 sq. ft. of glass, good retail trade, near cities. 1½ hour from Boston. 8 trains daily. Good proposition. Owner has other business. Address **L. A. BOYNTON, Pepperell, Mass.**

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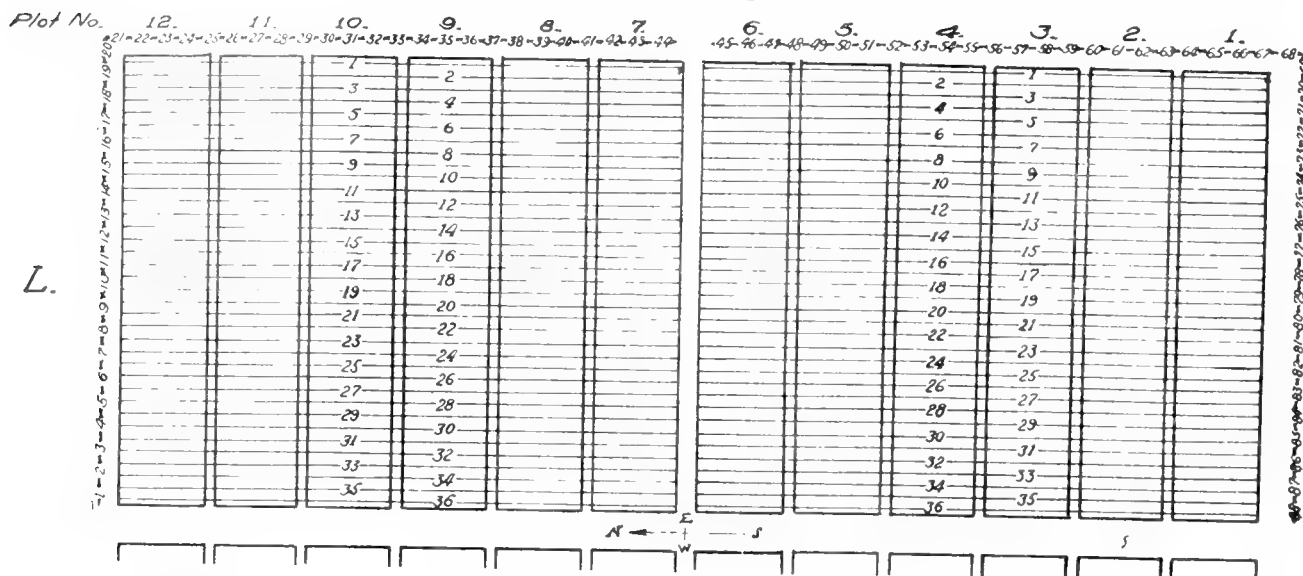
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Key Plan of Rose Garden, Arlington Farm, Va., Showing Location of Rows. F. L. Mulford, Landscape Gardener, U. S. A. Dept. of Agr.



Plot 2—Yellow Teas.

1. Marq. de Querhoent; 2. Mme. Jenny Gillemot; 3. Lady Hillingdon; 4. Souv. de Gustave Prat; 5. Lady Hillingdon; 6. Mme. Ravary; 8. Mme. Leon Paine; 9. Mrs. Aaron Ward; 10. Mme. Hector Leuillot; 11. Marquise de Sinety; 13. Franz Deegan; 15. Isabella Sprunt; 16. Mrs. Peter Blair; 18. Sunburst; 21. Mme. Welche; 23. Sunburst; 25. Marie Lambert; 29. Grace Molyneux; 30. Betty; 31. Dorothy Paige Roberts; 32. Arthur R. Goodwin; 33. Mme. Rene Gerard.

Plot 3—White Hyb. Tea and Moss.

1. Bride; 2. Dble White Killarney; 3. Gloire de Dijon; 4 and 5. Kaiserin Augusta Victoria; 6. Marie Guillot; 7. Florence Pemberton; 9. Pharisae; 10. Simplicity; 12. The Queen; 13 and 14. White Killarney; 15. Baby Rambler-Mad Jules Guillaumet; 16. Annchen Miller; 17. Cecile Brunner; 18. Tip Top; 19. Gruss an Aachen; 20. Mignonette; 21. Leonie Lamosch; 22. Schneekopf; 23. Erna Teschendorff; 24. Old English Moss; 25. William Lobb; 26. Devil de Paul Fontaine; 27. Salet; 28. Princess Adelaide; 29. Crested Moss; 30. Henry Martin; 33. Blanche Moreau; 36. Perpetual White.

Plot 4—Pink Tea.

1. Mrs. Geo. Sawyer; 2. Killarney Queen; 3. Konigin Carola; 4. Killarney; 5. Mme. Paul Euler; 6. Lady Alice Stanley (New); 7. Madame Lambert; 9. Bridesmaid; 10. Champion of the World; 11. Wellesley; 12. Hermosa; 13. La Tosca; 15. Duchess de Brabant; 16. Killarney Queen; 17. Mrs. Wakefield Christie-Miller; 18. Farben Konigin; 19. Belle Siebrecht; 22. La Tosca; 23. Souv. de Pres. Carnot; 25. Lady Ursula; 26. Prince de Bulgarie; 28. Radiance; 29. La France; 30. Mme. Camille; 31. Mrs. Arthur Robt. Waddell; 32. Joseph Hill; 33. Earl of Warwick; 34. Mme. Second Weber.

Plot 5—Pink Shades Tea.

1. Caroline Tesout; 2. Miss Cynthia Forde; 3. Mme. Philippe Rivoire; 5. Red La France; 6. Lyon; 7. Countess of Gosford; 8. David Pradel; 9. Gustav Gruenerwald; 10. Mme. Jean Dupuy; 11. Lady Ashtown; 12. Mad. Leonie Paine; 14. Viscountess Folkestone; 15. Beate Inconstante; 17. Mme. de Watteville; 18. Florence E. Coulthwaite; 19. Mme. Jules Grolez; 20. Sombrail; 21. White La France; 23. Antoine Rivoire; 25. Col. R. S. Williamson; 27. Cornelia Cook; 30. Mme. Jules Gravaux; 31. Mme. Jos. Schwartz; 33. Defiance; 34. Killarney; 36. My Maryland.

Plot 6—Red Teas.

1. Gen. McArthur; 2. Laurent Carle; 3. Gruss an Teplitz; 4. Ecarlate; 5. Princess de Sagan; 6. Louise Lilla; 7. Abel Chatney; 8. Chateau de Closvougout; 9. Helen Gould; 10. Beuty de Rosemawr; 11. My Maryland; 12. Souv. de Wooten; 13. Lady Battersea; 15. Princess Bonnie; 16. Richmond; 17. Archduke Charles; 18. Lieutenant Chance; 19. Irish Brightness; 21. My Countess of Ilchester; 22. Reine Marguerite d'Italie; 24. Mme. J. W. Budd; 25. Florence Haswell

Veibeh; 26. Edward Mawley; 28. Jean Hole; 29. Jonkheer J. L. Mock; 30. Coraline; 31. Papa Gontier; 32. Etoile de France; 33. Geo. C. Waud; 34. Duchess of Westminster; 35. Hector MacKenzie; 36. Milady.

Plot 7—Red H. Ps.

4. Fisher Holmes; 7. Prince Camille de Rohan; 10. General Jacqueminot; 12. Capt. Hayward; 14. Paul Neyron; 15. Eugene Furst; 16. Genl Jacqueminot; 17. Ulrich Brunner; 18. Mme. Chas. Wood; 21. Anna de Diesbach; 22. Alfred Colcomb; 26. Marshall P. Wilder; 28. John Keynes; 32. Francois Levet.

Plot 8—Mixed Hyb. Perpetual.

4. Magna Charta; 5. Mrs. John Laing; 6. Mrs. Sharman Crawford; 7. Paul Neyron; 10. Plus IX; 11. Baroness Rothschild; 12. Chio; 13. Caroline de Sansal; 14. Caprice; 16. Frau Karl Druschki; 20. Frau Karl Druschki; 22. Margaret Dickson; 23. Caroline Marinette; 24. Soleil d'or; 31. Burbank; 33. Lucullus; 34. Queen's Scalet; 35. Red Microphylla.

Plot 9—Climbers.

3. Mosella; 4. Pillar of Gold; 5. Cloth of Gold; 6. Yellow Rambler; 7. Mrs. Robt. Peary; 8. May Queen; 9. Wm. Allen Richardson; 10. Climbing Gruss an Teplitz; 11. Countess M. H. Chatek; 12. Seven Sisters; 14. Wartburg; 15. Tausendschon; 16. Reine Marie Henriette; 17. Climbing Meteor; 18. Empress of China; 19. Hiawatha; 21. Tennessee Belle; 22. Pink Dr. Van Fleet; 23. American Pillar; 24. Climbing Caroline Testout; 25. Lady Gay; 26. May Queen; 27. Climbing Killarney; 28. Setigera; 30. Wedding Bells; 31. Christine W. Wright; 32. Climbing Cecil Brunner; 33. Countess Devonensis; 34. Madame Alfred Carriere; 35. Baltimore Belle; 36. Mandas Triumph; 37. Silver Moon; 38. Climbing Clotilde Soupert; 39. Alba Rubrafolia; 40. Pearl Queen; 41. Mme. Driout; 42. Dr. Van Fleet; 43. Pom Pom; 45. Minnehaha; 46. Rubrifolia; 47. Count Zeppelin; 48. Empress of China; 49. Dawson; 50. Climbing Bridesmaid; 52. Dr. Van Fleet's White; 54. Ruby Queen; 55. Pearl Queen; 56. Prairie Queen; 57. Climbing Souv. de Wooten; 58. James Sprunt; 59. Zepherin Drouhin; 61. Flower of Fairfield; 62. Crimson Rambler; 63. Philadelphia; 65. Madame Jules Gravaux; 66. Birdie Blye; 67. Lamarque; 68. Yellow Banksia; 69. Marechal Niel; 71. Solfaterre.

Plot 10—Rugosas, Sweet Briars, Climbers.

1. Hansa; 2. Souv. de Pierre Laperdrioux; 3. Roserie de la Hay; 5. Charles F. Worth; 6. New Century; 7. Alice Aldrich; 9. Nova Zembla; 10. Sir Thomas Lipton; 11. Conrad F. Meyer; 12. Amy Robsart; 13. Lucy Ashtown; 14. Lady Penzance; 16. Rosa Rubiginosa; 17. Rofulgence; 18. Jennie Deans; 19. Anne of Gierstein; 20. Meg Merrilles; 21. Harrison's Yellow; 22. Rosa Rugosa; 23. Ann Pillar; 24. Lady Gay; 25. Dr. Van Fleet; 26. Tausendschon; 27. Sodenia; 28. Newport Fairy; 29. Etoile de

Mai; 30. Wichmoss; 31. Golden Rambler; 32. Cherokee; 33. Second Weber; 34. Wartburg; 35. Flower of Fairfield; 36. Madeline Sealarandis; 37. Trier; 38. White Banksia; 41. White Rambler; 42. Veilchenblau; 43. Shower of Gold; 44. Climbing White Maman Cochet; 45. Gardenia; 46. Jersey Beauty; 47. Prof. C. S. Sargent; 48. Excelsa; 49. Dorothy Dennison; 50. Daybreak; 51. South Orange Perfection; 52. Evergreen Gem; 53. Universal Favorite; 55. Pink Roamer; 56. Gladys Talbot; 58. Dazzling Red; 59. Rayon d'Or; 61. Juliet (Pemberton); 62. Wichuriana; 64. Evangelina; 65. Alberic Berber; 67. Bridal Wreath; 68. Climbing American Beauty; 70. Hiawatha; 71. Longwood.

Plot 11.

1. Maiden's Blush; 2. Meteor; 3. Olfera; 4. Neron; 5. Belle Iris; 6. Ariadne; 7. Vivid; 8. Enchantress; 9. Communis; 10. Paul Ricault; 11. Fournieriana; 12. Souv. de Pierre Dupuy; 13. Mme. Plantier; 14. Cora; 15. Rembrandt; 16. Mrs. O. G. Orpen; 17. Oelleit Flamand; 18. Mme. Sapatas; 19. Rose Centifolia; 20. R. Mundi, Colored; 21. Mme. Hardy; 22. 915 Ey. Rose; 23. Alcine; 24. Centifolia Alba; 25. Rosa Alba; 26. Blanche Moreau; 27. Centifolia Major; 28. Rosa Gallica Violacea; 29. Phoenix; 30. Louise Mehul; 31. Paul Verdier; 32. Coup d'Hebe; 33. Comte de Foy de Rouen.

Climbing Roses Around Border.

4. Solfaterre; 5. Mosella; 7. Pillar of Gold; 8. Marechal Niel; 9. Cloth of Gold; 10. Yellow Banksia; 11. Yellow Rambler; 12. Lamarque; 13. Mrs. Robt. Peary; 14. Birdie Blye; 15. May Queen; 16. Mme. Jules Gravaux; 17. Wm. Allen Richardson; 19. Climbing Gruss an Teplitz; 20. Philadelphia; 21. Countess M. H. Chotek; 22. Crimson Rambler; 23. Seven Sisters; 24. Flower of Fairfield; 27. Wartburg; 28. Zepherin Drouhin; 29. Tausendschon; 30. James Sprunt; 31. Reine Marie Henriette; 32. Climbing Souv. de Wooten; 33. Climbing Meteor; 34. Prairie Queen; 35. Empress of China; 36. Pearl Queen; 37. Hiawatha; 38. Ruby Queen; 41. Tennessee Belle; 42. Red Van Fleet; 43. Pink Van Fleet; 44. White Van Fleet; 45. American Pillar; 46. Climbing Bridesmaid; 47. Climbing Mme. Caroline Testout; 48. Dawson; 49. Lady Gay; 50. Empress of China; 51. May Queen; 52. Count Zeppelin; 53. Climbing Killarney; 54. Rubrifolia; 55. Setigera; 57. Minnehaha; 58. Wedding Bells; 59. Pom Pom; 60. Christine Wright; 62. Dr. Van Fleet; 63. Climbing Cecil Brunner; 64. Mme. Driout; 65. Climbing Devonensis; 66. Pearl Queen; 67. Mme. Alfred Carrier; 68. Alba Rubrifolia; 69. Baltimore Belle; 70. Climbing Clotilde Soupert; 71. Mandas Triumph; 72. Silver Moon; 73. Trier; 74. White Banksia; 75. White Dorothy Perkins; 76. White Rambler Thalia; 77. White Rambler; 78. Veilchenblau; 79. Climbing Shower of Gold; 80. White Maman Cochet; 81. Gardenia; 82. Jersey Beauty; 83. Prof. C. S. Sargent; 84. Excelsa; 85. Dorothy Dennison; 86. Daybreak; 87. South Or. Perfection; 88. Evergreen Gem.

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ASK SEEDSMEN FOR PRICES

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NIKOTEEN 30 Per Cent Strength For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

½ Pint. 25c; Pint. 40c; Quart. 75c
 ½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
 10 Gal. Can. \$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
 If you cannot obtain this from your supply house write us direct.

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 420 W. Lexington St., Baltimore, Md.

Directions on every package



Unequalled for Greenhouse and
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THE PULVERIZED MANURE CO.

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IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

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EASTERN CHEMICAL CO., BOSTON

AETNA BRAND TANKAGE FERTILIZER

Acknowledged to be the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil. It is giving satisfactory results wherever used. Write for 500-lb. sample order.

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909 Exchange Ave., Rm. 15. Tel. Yards 842.
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are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

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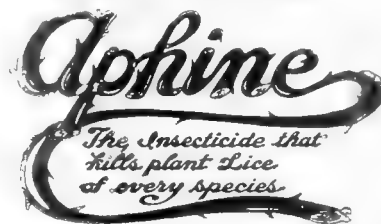
\$13.00 Gallon—\$3.75 Quart—\$2.00 Pint

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A 12% Nicotine solution properly diluted for vaporizing and fumigating.

\$4.50 Gallon—\$1.50 Quart.



The Recognized Standard Insecticide
 For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

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For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

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For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

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For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

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Manufacturers of Agricultural Chemicals
 MADISON, N. J.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.
 30-32 Barclay Street, NEW YORK

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The Ideal Plant Food.

Unequalled for Producing Lusty Chrysanthemums

Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and sold only by **ELMER D. SMITH & CO., Adrian, Mich.**

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

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Does not stop the use of Humus. All seedsmen keep it in stock. 1st word in Fertilizing Humus. Send for Prices.

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Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.**"RED DEVIL" CIRCULAR GLASS
CUTTERS.**

Since the advent of the automobile with its numerous and varied headlamps of all sizes, the demand for circular glass lights for these has increased to a surprising degree. For the enterprising and economical motorist who wishes to replace his broken lights himself, the Smith & Hemenway Co., Inc., makers of the widely known "Red Devil" glass cutters and electrical hand tools, have just brought out a most effective and handy circular cutter at the popular price of 50c. It will cut cleanly and neatly from 2-inches to 20-inches in diameter. A larger size will cut up to 40-inch, and sells at 75c. The illustration shown below will give a general idea of this practical little cutter.



033

To meet the demand for a better tool of this class, Smith & Hemenway are offering a circular cutter, style 263, with hand-honed wheels which



263

will cut sharp, clean circles from 2-inches to 22-inches in diameter. The strong metal base around which the cutter revolves, is lined with rubber to prevent slipping and no unusual deftness is required to cut perfect circles with this tool. Both cutters are supplied, of course with "Red Devil" cutting wheels, on the wonderful cutting powers of which, the Smith & Hemenway Co., have largely based the business success which is theirs today.

NEWS NOTES.

Delavan, Wis.—The Delavan Nursery Company has been sold to Wm. J. Moxley.

Marlboro, Mass.—Charles F. Taylor has purchased the property and land of the Lewis Greenhouses.

Paducah, Ky.—John Van Aart has bought the greenhouse range of Robert E. Rudolph and will run same in connection with his store.

East Weymouth, Mass.—Charles E. and Edward Beechey have bought the Hanson Greenhouse, Middle street, which they will plant to carnations and chrysanthemums.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Austin, Tex.—Frederichs, additions.
Danbury, Ct.—F. W. McCarl, Jacobs house.

Manoa, Pa.—Leonard Dudman, two houses.

Fremont, Neb.—Andreason Bros., rebuilding.

Oswego, N. Y.—Nicholas J. Feeley, one house.

Terre Haute, Ind.—Heine & Webber, house 30x100.

Fall River, N. Y.—William Wilkin-son, house 20x50.

Milwaukee, Wis.—Kummer Floral Co., two houses.

Pittsburgh, Pa.—Mr. Benedum, Lord & Burnham house.

Guelph, Ont.—George Dunbar, Quebec St., rebuilding.

Portland, Me.—George W. Huff, Shaw St., one house.

Leominster, Mass.—Geo. M. Kendall, Nelson St., rebuilding.

Storm Lake, Ia.—Munson Green-houses, house 32x140.

New Haven, Ct.—Nelson Anderson, John St., range of houses.

Williamson, N. Y.—A. H. Williams, Lord & Burnham house 16x33.

Sherman, Tex.—Joe Rerabek, Sher-man Floral Co., house 25x200.

Barnard, N. Y.—William J. Thomas, Lord & Burnham house, 40x150.

North Warren, Pa.—A. H. Sharman, Lord & Burnham house 32x150.

Philadelphia, Pa.—John Hanlon, 8760 Frankford Ave., one house.

Terre Haute, Ind.—J. B. Davis Co., South 7th St., vegetable house.

Denver, Col.—Walter & Richmond, 3239 E. Second Ave., one house.

Ashtabula, O.—Lake Shore Green-house Co., range of vegetable houses.

Philadelphia, Pa.—A. M. Michaelson, 58th and Walnut Sts., two houses each 17x100.

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Florist Specialties,
New Brand. New Style.
Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
3/4-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.

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Will not twist the shading pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine. Write for free Catalogue.

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2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	456 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/4 " " 5.80	120 7 " " 4.20
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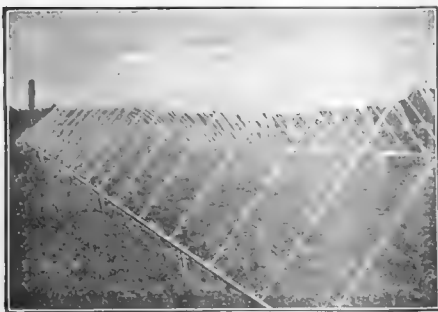
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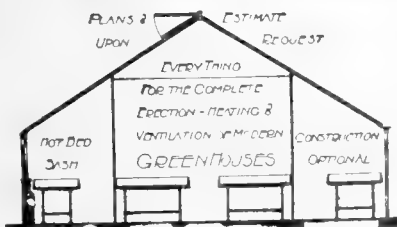
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"THE BOILER OF GENUINE EFFICIENCY"



Expressions from Men Who Know Boilers

Get the Kroeschell First

"We like the Kroeschell Boiler very much. It gives entire satisfaction and it is so easy to fire. I will trade you the two cast iron sectional boilers for another like the Kroeschell I have."

(Signed) FRED PONTING,
July 16, 1913, Cleveland, Ohio.

Kroeschell Best of All

The Kroeschell Boiler I installed last year usually runs from 10 p. m. to 6 a. m. without attention. I do not have the least trouble to keep temperatures in the coldest weather. The boiler has given entire satisfaction.

The Kroeschell is the best boiler we have ever handled.

(Signed) CHARLES TOTT,
Madison, N. J., June 30, 1913.

Kroeschell Replaces Cast Iron

The Kroeschell has replaced three cast iron sectional boilers, and it certainly has given entire satisfaction.

It only takes a few words to express the good quality of your boilers, and they are as follows: "Of all firms handling boilers and advertising them truthfully, the party buying a boiler would have to get the Kroeschell, as you are certainly advertising nothing but facts."

(Signed) ALEXANDER A. LAUB,
July 18, 1913, New Hamburg, N. Y.

Kroeschell Replaces Cast Iron

We are heating 6,000 sq. ft. of glass with the Kroeschell House Boiler you furnished last fall, and we think it can take care of more.

We maintain a temperature of 60 degrees in the greenhouses and have no trouble keeping temperatures, even in the coldest weather.

The boiler does not require attention after 9.00 p. m., except in the coldest weather, when we bank at 11.00 p. m.

The boiler has given entire satisfaction. We doubt if your boiler could be improved upon, it is by far the best we have ever used, and we've been using heating system for the past 10 years.

(Signed)
THE AVENUE FLORAL CO.,
E. W. Eichling, Sec'y,
New Orleans, La., March 3, 1913.

Kroeschell Replaces Cast Iron

I am heating between 17,000 and 18,000 sq. ft. of glass with the No. 12 Kroeschell, maintaining 50 to 54 degrees in the greenhouses.

I have night fireman and we fire about every hour in extreme cold weather, but in ordinary weather only two or three times a day. I have been using the Kroeschell for the last firing.

I have used three different makes of sectional cast iron boilers, but I have come to the conclusion that under any consideration,

(Signed) FREDERICK CAGLE,
1000 Square Feet,
SEND FOR OUR CATALOG

Kroeschell Bros. Co.

470 W. Erie Street, - CHICAGO

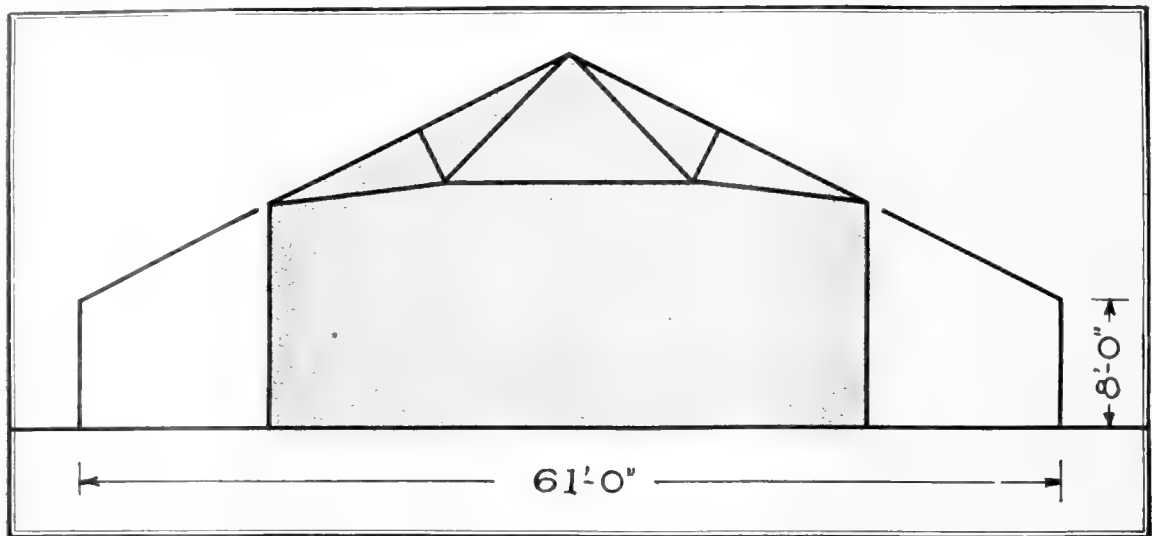
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Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



The portion of our houses shown by the dark is entirely self-sustaining and entirely independent of the side posts for its support

Vital Points in Safe Framing

WHEN we first began building the big, wide iron frame houses many of the growers felt that in proportion as the house was made wider that the eaves and posts should be made heavier to stand the "side thrust" that would come from the weight of all that big roof. On first thought it did look so. But we are using the same sized angle iron eave plates on our 80 foot houses as we first did on our 40 footers. It is a happy happening that greenhouse engineering mathematics proved that it could be so. To have increased the eave shade would have been a serious objection to wide houses.

The truth of the matter is—one of our houses would stand rigid and entirely self-sustaining if that part of the house between, and including the columns, were standing entirely by itself as shown by dark colored portion of above section.

Framed as we frame and mathematically truss them, there is only a *direct down pressure* on the columns, so far as the weight of the frame is concerned.

That portion of the house on either side of the columns as shown in light in the above section, is simply a leanto.

The side posts you can now see, support only a portion of the weight of the roof from the columns to the eave.

The posts do, however, have an important part to do in taking a share of the strain in case of high wind pressures. So you see it's one thing to think a construction "looks good," but it's quite another to know it's good as it looks *before it's built*. Our engineering experts can't tell by looking at a construction design whether it will stand the snows and blows. But after hours and days figuring, they *can tell to a certainty*.

If you want a house that's surely safe and sure, then let's get together and talk it over.

Say when and where and we'll be there.

Lord & Burnham Co.

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Vol. XX
No. 10
SEPT. 5,
1914

HORTICULTURE



MRS. WILLIAM F. GIDD
President-elect, Ladies' Society of America

DREER'S ARAUCARIAS

The chances are that there will be no imports of Araucarias from Belgium this fall which is certain to result in a scarcity of this plant for the holidays. We are carrying our usual large stock of spring imported plants, and we would advise you to cover your requirements. There has been no advance in price, and the plants are of the usual good quality.

Araucaria Excelsa

4 inch pots, 5 to 6 inches high, 2 tiers....	\$.30 each
5 inch pots, 10 to 12 inches high, 3 tiers....	.60 "
6 inch pots, 12 to 15 inches high, 3 to 4 tiers	.75 "
6 inch pots, 14 to 16 inches high, 4 tiers....	1.00 "
7 inch pots, 18 to 20 inches high, 4 to 5 tiers	1.25 "

Araucaria Excelsa Glauca

6 inch pots, 8 inches high, 2 tiers.....	\$.75 each
6 inch pots, 12 inches high, 3 tiers.....	1.00 "

Araucaria Robusta Compacta

5 inch pots, 10 inches high, 2 tiers.....	\$.75 each
6 inch pots, 12 to 14 inches high, 3 tiers....	1.25 "
7 inch pots, 14 to 16 inches high, 3 tiers....	1.50 "

Ficus Elastica

A splendid lot of 4 inch pots, 10 to 12 inches high, \$3.50 per dozen; \$25.00 per 100.

Pandanus Veitchi

A grand lot of well colored plants, 6 inch pots, exceptional good values.



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The above prices are intended for the trade only

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ORCHIDS, 25 houses full.
PALMS, 40 houses full.
FRUIT TREES for garden, 100 acres.
FRUIT TREES, pot grown for Orchard houses.
FIG TREES, pot grown.
GRAPE VINES, pot grown.
ROSES, field grown by the 100,000.
ROSES, pot grown for Pergolas and forcing.
CYCLAMEN SEED, very finest strain.

Headquarters in England for These Lines.

Write for Catalogue.

Our representative will be in the United States during September and October and will be pleased to meet or give particulars to anyone interested. Address

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Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

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CONIFERS, SHADE AND ORNAMENTAL TREES

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Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

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Boston, Mass., S. A. F. & O. H. Convention report of Judges on the Convention Garden Exhibition:

"R. Vincent, Jr., & Sons Co., White Marsh, Md., bed of Geraniums Maryland, Scarlet Bedder and Mrs. Lawrence. Certificate of Merit for Maryland and Honorable Mention for Scarlet Bedder and Mrs. Lawrence."

We are booking orders for November delivery on Maryland at \$1.00 per dozen, \$6.00 per 100. Scarlet Bedder at \$.75 per dozen, \$4.00 per 100. Mrs. Lawrence \$.40 per dozen, \$2.00 per 100.

Vincent's Geraniums are propagated at White Marsh and grown everywhere. There is a Reason.

We have the most complete stock in the Country, a splendid lot of three inch stock ready for immediate shipment at \$3.00 per 100, \$25.00 per 1,000. Two inch stock ready October 1st. \$2.00 per 100, \$18.50 per 1,000, for standard sorts, up to \$.50 each for Novelties.

READY FOR IMMEDIATE SHIPMENT.

Alyssum dwarf, double and giant; Swainsona, white and pink; Hardy English Ivy, Lemon Verbenas; Lantanas, assorted; Coleus; Petunias, Double mixed. 2 in. \$3.00 per 100, \$18.50 per 1,000. 3 in. \$3.00 per 100, \$25.00 per 1,000.

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R. VINCENT, Jr. & SONS CO., White Marsh, Md.

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Formosums GIGANTEUMS Multiflorum
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Paper White Narc. & Roman Hyacinths, Dutch Bulbs,
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Write for Prices

LIST OF ADVERTISERS

Page	Page	Page	Page	Page
Advance Co.....379	Clarke's, D. Sons.364	Graham, Adam	McCarthy, N. F.	Poehlmann Bros.
Albany Cut	Conine, F. E.	& Son.....364	& Co. ....368	359-368
Flower Ex.....370	Nursery Co. ....359	Gude Bros. Co. ....365	McConnell, Alex.364	Pulverized Ma-
Allen, J. K.....370	Country Engi-	Hall Association.378	McKenna & Son,	nure Co.....376
Anderson, S. A.365	neering Co.....377	Hall & Robin-	P. ....365	Quaker City Ma-
Appline Mfg. Co.376	Cowee, W. J.....368	son .....365	McManus, Jas.....370	chine Co.....379
Aschmann, G.....352	Craig, Robt. Co.352	Hart, Geo. B.....370	Metropolitan Ma-	Randall's Flower
Asmus, Geo.....366	Critchell, C. E.368	Heacock, Jos.....359	terial Co.....379	Shop .....365
Ayres Co., S.	Crowl Fern Co.371	Henderson, A. &	Meyer, John C.	Reed & Keller.....370
Bryson .....363	Dards .....364	Co. ....352	Co. ....367	Reid, Edw.....368
Badgley, Riedel	Davenport, A. M.352	Hess & Swoboda.364	Meyer, Chas. F.351	Reuter's .....366
& Meyer .....370	Dorner, F. &	Hews, A. H. &	Michell's Seed	Rice, M. Co.....365
Barrie, Geo. N.....378	Sons Co.....352	Co. ....378	House .....362	Rochrs, J. Co.....359
Barrows & Son.352	Dreer, H. A.....	Hilfinger Bros.....378	Michigan Cut	Roland, Thomas.361
Bayersdorfer, H.	350-378-379	Hill, E. G. Co.....368	Power Ex.....368	Rolker, A. &
& Co.....367	Dunlop, John H.365	Hitchings & Co.380	Millang, Chas.370	Sons .....351-378
Bay State Nur-	Dysart, R. J.....371	Holland Nurser-	Montreal Floral	Rosery, The.....364
series .....361	Eastern Chem-	ies .....361	Exchange .....370	Schiller .....366
Boblink & At-	ical Co.....376	Holm & Olson.....364	Moore, Hentz &	Schilling, Max.....365
kins .....350	Edwards Folding	Irwin, R. J.....352	Nash .....370	Schulthels, A.....352
Boddington, A.	Box Co.....368	Kasting, W. F.	Murray, Samuel.364	Schwake, Chas.
T.....361	Elliott, Wm. &	Co. ....368	National Nur-	& Co.....351
Bolgiano & Son	Sons .....359	Keller, J. B.	seryman .....350	Sheridan, W. F.370
J.....363	Ernest, W. H.....378	Sons .....364	Nicotine Mfg. Co.376	Sharp, Partridge
Boston Florist	Esler, J. G.....378	Keller, J. M. Co.352	Niessen, Leo Co.368	& Co.....379
Letter Co.....368	Eyres .....365	Kentucky Tobac-	Oechslein, Ernest.352	Siebrecht, Geo.
Braslan Seed	Farmers and	co Product Co.376	Ouwkerk, P.....361	C.....370
Growers' Co.....363	Florists Fertil-	Kervan Co.....370	Palmer, W. J. &	Siggers & Sig-
Breck, J. & Sons.363	izer Co.....376	King Construc-	Son .....364	gers .....379
Brietmeyer's J.	Farquhar, R. &	tion Co.....378	Park Floral Co.364	Skidelsky, S. S.
Sons .....364	J. & Co.....380-363	Komada Bros.....367	Parshelsky Bros.379	& Co.....363
Bryan, Alonzo J.352	Fisher, Peter.....352	Kramer, F. H.....365	Peirce, E. Allan.378	Small, J. H. &
Burpee, W. A. &	Foley Mfg. Co.....378	Kroeschell Bros.379	Pennock - Meehan	Sons .....365
Co. ....363	Ford, M. C.....370	Kuebler, W. H.370	Co. ....369	Smith, P. J.....370
California Seed	Ford, W. F.....370	Lager & Hurrell.359	Penn the Florist.365	Smith & Co., E.
Growers' Asso.363	Frankingham	Lemon Oil Co.....376	Pierce, F. O.....379	D.....376
Carter's Tested	Nurseries .....361	Leonard Seed Co.363	Pierson, A. N.....352	Smith & Hemen-
Seeds, Inc.....363	Froment, H. E.370	Loechner & Co.351	Pierson, F. R. Co.366	way Co.....377
Childs, John	Galvin, Thos. F.365	May & Co., L. L.365	Plant Food Co.	Smith, W. & T.
Lewis .....363	Gasser Co., J. M.365		20th Century.....376	Nursery Co.....350
			Plantlife Co.....376	Smyth, Wm. J.364

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 372,373,374,375

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GLOXINIAS—Fine sound bulbs in separate colors, \$4.00 per 100, \$35.00 per 1000.

RHODODENDRONS—A fine lot of hardy sorts, in plants full of buds and with good foliage, 18 in. high, 8 to 12 buds, \$9.00 per doz.; 24 in. high, 12 to 14 buds, \$12.00 per doz.

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All the popular and useful small ferns, including a specially fine lot of *Pteris Victoricae*, \$2.00 per flat. Guaranteed 200 plants to a flat.

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Fine plants in 8 in. tubs, \$3.00 and \$4.00. In 7 in. pots, \$2.50 each.

CYPERUS ALTERNIFOLIUS

3½ in. pots.....\$8.00 per 100

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Primulas

Watering must be done once, twice or perhaps thrice a day, unless the pots are plunged, as they seldom are. The sashes should be removed after four in the afternoon; in fact, they are not needed at all, except during heavy rains so long as lath shading are used and frost keeps away. The night dews greatly benefit the plants, and during hot days they should be sprayed over several times. Pick off any flowers which appear and do not allow the plants to become pot-bound. There is more danger of this occurring with the robust growing *P. malacoides* and *P. Kewensis* than with the more moderate *P. sinensis*, *P. stellata* and *P. obconica*. Usually 5-inch and 6-inch pots are suitable for *obconica* and *sinensis*, but *Kewensis* and *malacoides*, while they will flower in these sizes, are better in 7-inch and 8-inch pots. Give them a compost of fibrous soil three parts, old cow manure two parts and the same of leaf mold with a little sand.

Cyclamen for Next Year

This seed should be sown now without delay as it takes from fourteen to fifteen months to bring them into flower. Be sure to procure fresh seed of the very best strain from a reliable seed-man. Mix up a compost of new loam two parts, peat or leaf mold two parts, and one part of sand. See that the pans are well drained with plenty of crocks. Upon the crocks spread some sphagnum moss and then fill the pans to within half an inch of the top, with the compost, but the last half an inch should be finely screened. Press the surface firm and absolutely level, water thoroughly and after they have drained out scatter seed all over the surface. I find it a better plan to sow the seed so that they stand about half an inch apart each way and a quarter of an inch deep. When the plants have made two or three leaves, transplant them into flats containing three inches of light compost. These seedlings should have a warmer house than the plants which are about to flower—58 to 60 degrees at night is about right. The little seedlings should be kept on a shelf well up to the glass.

Dutch Bulbs

It is not at all necessary to box all the bulbs you force as soon as received. Unlike the loose-scaled lily bulbs, these tulips, etc., take no harm from being kept out of the ground for a month or more, providing they are in a perfectly dry cool shed. To have good tulips as early as the latter part of January it is necessary to box some

bulbs at the earliest opportunity. They must be rooted or they will not force. After filling the flat quite lightly with the compost squeeze the bulbs into the soil until the top is about even with the top of the flat. A little soil thrown in to fill up between the bulbs and the job is done. Put the flats outdoors on the ground in beds of convenient size and, after a good soaking, cover them with three inches of soil.

Hydrangeas

Hydrangeas yet in the open field should now be lifted and potted. If left in the field much later the large branches are apt to grow to an undesirable length, the plants gaining in spread but losing in shapeliness. The soil most suitable for hydrangeas is a heavy loam, plentifully enriched with old manure. The pots should be well drained and a size or two larger than those the plants would seem to require. After being potted up, the plants can still stay outdoors. A place under a bench in a cool greenhouse will be all right for them during the winter, when but little attention need be given, and only enough water to keep them from drying out entirely. This period of rest should last at least ten weeks, which will put the wood in condition for forcing later on. You never can expect hydrangeas to force well where the wood has not had time to come to full ripeness. Those grown in pots all summer will want the same period of rest.

Sweet Peas

Do the thinning out while the plants are small and put up the supports in time. To allow the plants to lie all over the bench is wrong. Don't ever allow five to eight plants per string and expect good results; two to three is enough; and, again, two plants will have a chance to branch out, and it is these branches that will make the plants and furnish the flowers. Heavy wire across the bench and six feet above, with strings between, forms a good support for the vines. The specialists consider 45 degrees at night enough and, only too often, failure with peas is due to too warm a house. The largest flowers, longest stems and healthiest plants we get in cool weather, so see that they have plenty of ventilation at all times. They like plenty of moisture at the roots. Watch out for green fly and fumigate at least once a week.

Starting the Fires

All warm and intermediate houses will require some heat in the pipes, even if you have to keep on a little air. Warm and intermediate stock are more liable to feel the sudden changes than cooler grown stock, so do not be too long in getting these fires started.

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CONTENTS

Page

COVER ILLUSTRATION—Mrs. William F. Gude, President-elect Ladies' Society of American Florists	
NOTES ON CULTURE OF FLORISTS' STOCK— Care of Primulas—Cyclamen for Next Year—Dutch Bulbs—Hydrangeas—Sweet Peas—Starting the Fires —John J. M. Farrell	353
ROSE GROWING UNDER GLASS—The Old Soil—Ma- nure for Mulching—Potting Soil—Curled Foliage— Arthur C. Ruzicka	355
A VISIT TO THE BERKSHIRE HILLS—Illustrated	356
THE BOSTON S. A. F. CONVENTION—Report of Committee on Final Resolutions—Addition to Report of Judges of Trade Exhibit	358
MYRIOPHYLLUM PROSERPINACOIDES—Illustrated	359
THE WHITE FLY PROBLEM—M. C. Ebel	358
SEED TRADE—The Import Situation—The Cheapest Commodity—The Deluge—Humanity—European Seed outlook—Local Conditions—Notes	362
OF INTEREST TO RETAIL FLORISTS:	
New Flower Stores	364
Flowers by Telegraph	365
CLUBS AND SOCIETIES—American Association of Park Superintendents; G. X. Amrhy, portrait— Connecticut Horticultural Society—Florists' Club of Philadelphia—North Shore Horticultural Society— International Flower Show	366
Club and Society Notes	367
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, New York	369
Philadelphia, St. Louis	371
OBITUARY—Mrs. J. M. Keller—Mrs. John F. Ward —P. R. Quinlan	377
MISCELLANEOUS:	
Publications Received	357
Replanting Raspberries and Asparagus—Wilfrid Wheler	358
Record Price for Potatoes	358
Catalogues Received—Visitors' Register	360
St. Louis Notes—Cincinnati Notes	364
New Corporations	364
News Notes	365
Chicago Notes—Personal	371
Philadelphia Notes	377
Two Boston Convention Exhibits—Illustrated	377
Two New Laws In Georgia	378
Greenhouses Building or Contemplated	378

Sowing the seed We receive at this season of the year many interesting notices of local flower shows, initiated and conducted by amateurs and occasionally aided by the participation and encouragement of the florists of the neighborhood. Abstractly these affairs have not sufficient interest for the readers of HORTICULTURE to justify our giving space to any mention of them in our columns but in a broad sense they fill a very useful function as feeders to the growing sentiment of the public gardenward and the ultimate upbuilding of the commercial floricultural interests through this salutary influence. Village Improvement Societies and Children's Garden campaigns act as an incentive to the people to improve their gardens, adorn their porches and windows with plants and to make beauty spots of the waste places and the seeds-

man and florist will profit by the increased demand thus occasioned. So, by all means, extend a helping hand to such movements and the good seed thus scattered broadcast will yield an abundant harvest in due time.

War's burden

We notice that our several British contemporaries are emphasizing the necessity of more home-production of food stuffs in the present emergency and the economizing with what is now available. Gardens that have heretofore been devoted to flower culture to gratify the esthetic taste may in this great emergency be wisely given up to the raising of vegetables and fruit to help out the food supply. Our friends across the water have for the present more serious business before them than the pursuit of floriculture and it is impossible that the adverse influences of the terrific struggle in which their country has become involved should not distract their attention from this, the most peaceful of all avocations followed by mankind. We extend sincere sympathy to our distressed co-laborers of whatever race, across the seas, and express the sincere hope that the conflict may be quickly over and that they all may be soon enabled to resume their occupation of making the world brighter and sweeter to live in. We, on this side, can realize how true it is that "there is nothing like a great war to emphasize the blessings of peace."

Distress and opportunity

The first shock of the European war calamity having passed we now begin gradually to realize the resultant possibilities and probabilities which must be taken into consideration in all lines of commercial horticulture. Doubtless, in some phases we have overimagined the dire effects of the confusion on production and transportation of materials we are accustomed to get from Europe; in some respects the effect may be exactly the reverse of what we, on first thought, figured out. But, as a general proposition, there can be no question that this sad conflict will have a tremendous bearing on the course of our business here in America regardless of its duration or its outcome politically. For some it will mean stress and perhaps disaster; for others it will spell opportunity. The transportation problem, which at first seemed a hopeless derangement, appears to have been partially straightened out with prospects of gradual improvement, particularly so far as Dutch and British goods are concerned. But it seems to be generally accepted now that we must get along without lily of the valley or azaleas for the coming season at least. It must be left to American growers as to what shall take the place of these staple commodities in our flower markets. The opening is certainly favorable for the exercise of good business judgment and resourceful foresight. If this emergency should operate to lay the foundations of some substantial home industries which will tend to make the American trade independent of foreign supply and divert into the pockets of home producers the money which has been going abroad every year for plants and bulbs the present check will prove to have been a most propitious opportunity for commercial horticulture in this country, tending to conditions which we have long been hoping for.

The present time—youngest born of Eternity, child and heir of all the Past Times with their good and evil, and parent of all the Future—is ever a "New Era" to the thinking man. . . . To know it, and what it bids us do, is ever the sum of knowledge for all of us.—Carlyle.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

The Old Soil

With the planting all done the big heaps of old soil that have been taken out of the benches had better be carted away as soon as a chance presents itself. This old soil is excellent material to put on gardens or fields as it contains a good deal of nourishment, and will make good soil for all crops save roses. It is best not to allow this old soil to remain in heaps along the green-houses, for not only does it look very bad but it should be taken away to make room for the new sod heaps that should be put up this fall so as to be in good shape for the planting time next spring. Many will let it wait until winter, but it will be frozen then, and the roads and fields will be muddy, and the soil even if not frozen will be soaked with water so that it will be about twice as heavy as it is now, and whatever is saved on cheaper teams in winter will be lost again on the cost of doing the work, for it cannot be done as quick or as well in the winter as now when the soil is loose and dry.

Manure for Mulching

Do not neglect this, but see that it is turned over at least once a week and kept wet enough to keep it from burning. Do not apply any water unless it is needed, for if water is applied it is bound to leach the manure and that would be waste, to say the least. Leave the heaps of manure nicely shaped, and about two and a half or three feet deep. In turning start on one end and take a strip across the whole heap, taking care to break up all the big lumps, and thus get the manure down as fine as possible. Any long straw that will not decay had better be taken right out, for it will only make a lot of trouble all along. Keep the manure under cover if possible, so that the heavy showers do not get into it. Where it is possible to have a concrete floor under it, have the liquid all drain into a cesspool, and then use this to wet the manure with, or else use it as liquid manure.

Potting Soil

If none too much of the soil heaps were left after all the houses were filled it would be advisable to look around for a nice piece of sod, and turn this into a compost at once, keeping it wet all the time to encourage decay. As soon as the sods and manure are fairly well decomposed, turn the whole heap over once or twice to break it up, and get it into shape for potting soil when the propagating season comes around again. Needless to say, all glass and other refuse which is quite plentiful in soil at times should be removed as soon as it is seen, for it will make trouble some time or another. Growers who have ever experienced a shortage of soil for potting will know that there is nothing like being right there.

Curled Foliage

As I am a reader of HORTICULTURE and see by it that you answer questions, I wish to ask if you can tell me what is the matter with some Double White Killarney roses which

are badly curling in the leaf. These have been planted since June and they look like healthy plants. Have tried several methods, but they seem to curl just the same, both the young and some of the old foliage, and more the front benches than those at the back. In regard to watering, they have never been neglected, and they get syringed two and sometimes three times daily. Our other roses don't seem to be affected at all, and we grow Shawyer, Russell, Pink Killarney, Sunburst and Richmond; only the whites curl, so if you could give me a remedy through your columns, I would be much obliged. We grow in four inches of soil.
NEW LONDON.

As near as we can tell from your letter, there is nothing the matter with your plants, and the curling can easily be remedied by treating them a little different. You say the plants have been syringed as often as three times a day. This is a mistake, and is probably the cause of all your trouble. Plants that are free from spider will do very nicely if syringed once or twice a week, and then only on a clear day. The amount of syringing you speak of doing, would be apt to keep the air far too moist to produce good hard growth on the plants, and the new foliage as well as the old would be bound to be very soft and will burn as soon as the sun hits it on a clear day. If you are experienced in roses you will know what mildew is, and would know if this was what makes your plants ail. We would advise you to leave off all syringing for two days, keeping the plants plenty wet enough at the roots, and then syringing on the third day if the weather was all right. Air the plants freely, beginning with little air on the first day, and then gradually increasing the amount as they get accustomed to it. Do not shut the houses down at night, but carry at least an inch of air, especially if the houses are new and almost air tight. Do not let the temperature drop below 64 degrees at night even though heat has to be used. When syringing make sure that the plants are wet enough. If your soil is heavy it is dry quite often, although it looks as though it were quite wet. Water the plants along the front rows if necessary, about an hour before syringing. If watered and syringed immediately afterward they are liable to burn just the same, for they will not have had time to draw the water into the leaves where it is needed. If you are feeding any fertilizer that is rich in nitrogen we would advise you to stop it for a while until your plants harden up enough to keep their leaves from burning. Do not change everything all of a sudden, for then the plants would likely receive a serious check, but work the change around gradually, and then keep the plants a little cooler than usual for a while. We could tell better if you had mailed a few branches of the curled leaves wrapped in damp moss, so that they would arrive in a natural condition. If the plants have not had any lime since they have been planted, a light dose would help harden them up a little. Apply just enough to whiten the benches nicely, and then water it in. Blow a little air-slacked lime around the houses at night after each watering or syringing, and on wet drizzly days. This will help keep the plants hard enough to resist the rays of the sun, and not hurt them in any way.

A VISIT TO THE BERKSHIRE HILLS

The garden committee of the Massachusetts Horticultural Society this year, instead of making a number of isolated visits to various gardens, merged its entire season's work into one trip to the western part of the State, spending two days in inspecting a number of the notable estates in Lenox, Stockbridge and Lee. Headquarters was at the Wendell Hotel, Pittsfield, and the members of the committee with three invited guests made the rounds in automobiles under the guidance of several of the representative gardeners of that section, Tuesday and Wednesday, August 25 and 26 being occupied in this delightful manner and fourteen places in all being visited.

A Glorious Country.

The country was at its best after the frequent rains and the effect of the clear cool mountain air on all vegetation was apparent in the brilliant coloring of the annual and hardy perennial flowers which have been so lavishly planted in the grounds and gardens. The mercury had dropped to 38 degrees on two recent nights and golden rods, Aster Novæ Angliæ, Japan anemones and other subjects that wait for autumn temperatures were blooming, while many of the wooded hills already showed traces of fall coloring.

There is no more attractive and picturesque section anywhere than these far-famed Berkshire Hills. From every vantage point one views miles upon miles of heavily wooded hills and deep sombre ravines with blue mountains far beyond. Each one of the great estates seems to overlook and dominate the entire landscape, all being on high eminences more or less widely separated. Each estate has its own individual attractions, different in the architecture of the buildings, in the layout of the grounds and the style of planting. Most of them have a setting of noble old pines, hemlocks and elms. The roadside elms and maples of this entire section are grand beyond description.

The Gardens.

Each flower garden also has its distinctive style and outstanding beauty, but there were certain things that were common to all and astonished the visitors by their rampant luxuriance and superb quality of bloom. Among these were the asters, the like of which cannot be found among the choicest products in any of the flower

markets anywhere, the phloxes which for brilliancy, size of truss and profusion of flowers made a picture rarely equalled, and physostegias and pentstemons both of which seemed to revel in their environment. Last winter made awful havoc among the flowering shrubs and herbaceous perennials and vast quantities of annuals were planted this year to fill in the gaps. Of these the cannas, dianthus, nicotianas, Phlox drummondii, petunias, etc., make a gorgeous display.

Expansive lawns, with springy velvety surface such as we have been told one must go to England to see in perfection, here come very close to the English standard. The motor mowers are kept constantly going. Hidden behind protecting tree belts are the kitchen gardens which by the quality of the vegetables produced have given Lenox an invincible reputation in the annual exhibitions. Only in one respect did the visitors observe

with the fragrance of this lovely flower, plants in large pots towering seven to nine feet and arching under their weight of thousands of pure white and pale blue flowers reaching from pot to tips. The methods of bringing these plants to such floral perfection is to pot them, one year old, in the fall and care for them outside during the following summer until the flowers are about to open, when they are then taken into the piazza or room where the bees cannot get at the flowers to fertilize them. This prevents the formation of seed and the flowers last a long time. Such results are impossible in the open.

Some of the Summer Estates.

A word as to some of the more noticeable features of each place may be interesting for our readers, taking them in order as visited. All are in Lenox except as otherwise mentioned.

Allen Winden Farm, the home of

Charles Lanier, is under the care of A. H. Wingett, and comprises 200 acres. Here may be seen some fine sub-tropical bedding. A group of Thuja pyramidalis 25 ft. tall was much admired. This is one of the older estates and it is maintained in admirable completeness.

Elm Court Farm, the W. D. Sloane estate, 1000 acres, is in charge of Fred Heeremans. Here are many acres of fine lawn, fringed with well-placed tree belts.

The white marble slabs which form a pergola floor have been set an inch or so apart and the grass allowed to grow between, making a very pretty sight and adding the effect of antiquity. A house of crotons here came in for much admiration. Sixteen of the regular force of employees left this place to go home and fight for France.

W. B. Osgood Field's place, Highlawn, is in Lee. George Foulsham is superintendent. This stately estate overlooking the Tyringham valley is still in the constructive stage, being only six years in existence. Mr. Field met and personally conducted the visitors about the grounds. There is already an atmosphere of solid dignity which impresses one. The only flowers seen were scarlet cannas and scarlet salvias. Two rows of elms 40 ft high, which had been successfully transplanted three years ago were particularly interesting. The central feature of the plateau where the mansion stands is a large curbed bathing pool and fountain. A large part of the estate is maintained in wild condition.



ENTRANCE TO WHEATLEIGH

any lack and that was in the comparatively small attention to fruit culture. From apples down to currants the general absence of fruit gardens was commented upon.

The Greenhouses.

Magnificent conservatories are found on all but one or two of the estates visited and the several greenhouse building concerns can each point with pride to one or more splendid examples of their structural ability. If fruit is lacking outside it is not at all so under glass for many houses of grapes, nectarines, peaches, melons and figs afford evidence of the cultural skill of the gardeners in charge in this exacting department. Rose houses, carnation houses, palm houses, chrysanthemum houses all contribute to the luxury which is apparent everywhere and superb displays of tuberous begonias, gloxinias and other indoor subjects are frequent. The visitors were all most profoundly impressed by the invariable use everywhere of Campanula pyramidalis. Halls and corridors were lavishly adorned and filled

The far-famed Westinghouse estate with its lagoons, fountains and winding drives of crushed marble has stood still since the death of Mrs. Westinghouse and it has been intimated that Mr. George Westinghouse thinks of closing it up this fall for an indefinite period. We hope he will not so decide. It would be a great loss to Lenox and the value of such an establishment would decrease if abandoned much more than the cost of keeping it up, say under the continued management of Ed. J. Norman, who has been in charge for the past 25 years. Mr. Norman has a very fine petunia which he has named Erskine Park Belle. As a bedder it is distinct from and a close rival for the popular Bar Harbor Beauty.

Everybody liked the beautiful gardens at White Lodge, the home of Mrs. A. R. Shattuck, gardener Alex. McLeod. One of the most impressive features is a "white garden" planted with white petunia, antirrhinum, drummond phlox, nicotiana and Hyacinthus candicans enclosed by ivy-clad stone walls on three sides and an arborvitae and hemlock grove on the other, with a circular pool and fountain in centre. The "old-fashioned flower garden" is a glorious spot and well-interspersed with plots of green lawn which afford rest for the eye from the great blaze of color in the flower beds. There are no greenhouses on this estate, but a fine rockery and great variety of alpine plants more than atones for the absence of exotic bloom.

Bellefontaine, the Giraud Foster place, under the management of HORTICULTURE'S versatile correspondent, Ed Jenkins, has an Italian garden of considerable extent. The mansion is a veritable marble palace and the formal planting of the contiguous garden fits in well with the pergolas and richly carved vases and statuary which adorn the courtyard and grounds. About 200 acres is the extent of Bellefontaine.

The John Sloane estate, now Mrs. W. E. S. Griswold, comprises over 400 acres of which 30 acres are smooth-clipped lawn and 40 acres are wild woods. The view takes in Greylock and October mountains and an incomparable landscape. The range of conservatories is very extensive and a house of hippeastrums of high degree was particularly admired. A. H. Loveless presides over this wide domain.

Blantyre, the establishment of R. W. Paterson, held much of interest for the visitors. Thomas Proctor is superintendent and the orchid houses are a feature. He showed over 3,000 seedling hybrid orchids potted off. A remarkable carnation house planted last May and now full of buds, was declared by Wm. Nicholson to be the finest he had ever seen at this season of the year. All the trees, planting and surroundings of this place impress one with its restful quiet and stately dignity. The great and rare art collection here was opened for inspection and the invitation was eagerly accepted. Tall specimens of the seldom seen *Humea elegans* are used by Mr. Proctor in combination with the *Campanula pyramidalis* with pleasing effect in the hall decorations.

Miss Ada Kneeland welcomed the

party in person and conducted them through the beautiful gardens which are her own designing and her constant delight. This place is a work of art, a wonderful garden in a wonderful setting, arranged in a series of pictures along the brow of the hill and backed by terraces of alpine plants. It is a garden rather than an estate and its flower loving owner has made the most of the possibilities. A. H. Hetherington is the present gardener, having been there only since last March.

Groton Place, formerly the W. R. Robeson estate, is now the home of Greenville L. Winthrop and has been in charge of William Henry for many years in company of whom Mr. Winthrop personally conducted the party over the place, which is remarkable in that absolutely no flowers are used. But there are noble pine and hemlock forests, wide rolling and terraced lawns; marble parapets and stairways, woodland borders and vistas, skilfully developed under the direction of its proprietor who takes an absorbing interest in it all.

For twenty years George H. Thompson has superintended Wheatleigh, the 240-acre estate of C. de Heredia in Stockbridge and he has brought it to a high condition of beauty. The flower gardens are extensive and present a kaleidoscopic revelry of colors rarely equalled. Serpentine walks wind in and around the enclosures and marble slabs set in the grass make unique paths. *Agapanthus umbellatus* in tubs have been cleverly placed about the fountain basin in the formal courtyard.

Tanglewood, 230 acres, is the country home of R. C. Dixey of Boston and A. MacConnachie is superintendent. A glorious view overlooks the waters of Stockbridge Bowl. Tanglewood was made famous by Hawthorne who here wrote *Tanglewood Tales* and *The House of Seven Gables* and the site of the "little red house" is pointed out to visitors.

One of the most famous places in Stockbridge is Hon. Joseph H. Choate's estate "Naumkeag." Considerable topiary work is seen here, clipped hedges of native hemlock and pyramidal thujas being largely in evidence. There are stately groves and towering conifers in profusion, with a great diversity of landscape and surroundings most picturesque. George Breed is the gardener.

Mrs. Oscar Iasagi's place of fifty acres, "Clovercroft" is adjoining. Here in a one-acre formal garden and an excellent rose garden. Hemlock hedges line the walks.

The Banquet.

The banquet at Pittsfield on Tuesday evening was a notable event of far-reaching possibilities, for its keynote was "affiliation and co-operation" between the active forces of the Eastern and Western extremities of the state and marked the beginning of a new era of associated horticultural activity in Massachusetts. J. K. M. L. Farquhar, president of the Massachusetts Horticultural Society presided. In his introductory remarks, Mr. Farquhar dwelt upon the dominating sentiment of co-operation and the possibilities in closer relations between the two sections in the matter of exhibitions and lectures. President MacConnachie of the Lenox Horticultural So-

cety followed with appreciative words on behalf of his society and called for a unifying vote of his associates in recognition of the visit and its purpose, which was enthusiastically given. Then followed a long list of speakers. For the visitors there were C. W. Parker, Jackson Dawson, who told of his traversing the Berkshire forests thirty years ago collecting wild plants; Wm. J. Stewart who applauded the attainments of the Lenox gardeners and their prowess in the exhibitions; Robert Cameron who asserted that Boston needs Lenox help more than Lenox needs Boston's help; T. D. Hatfield, A. H. Fewkes, Wm. Nicholson, M. H. Norton and D. R. Craig. Local speakers were A. H. Wingett who expressed his delight that the Lenox society had now come to feel the pulse of the mother society; Ed. Jenkins who dwelt glowingly upon the fertile field for horticultural development in Massachusetts and suggested some progressive changes in exhibition rules and management in the interests of greater efficiency; S. Carlquist, E. J. Norman, whose words were full of inspiration to high aims; Walter Jack, George Foulsham and D. McLeod. Jackson Dawson, A. MacConnachie and Walter Jack contributed to the pleasure of all by their musical abilities and the affair closed with the time-honored chorus *Auld Lang Syne*.

PUBLICATIONS RECEIVED.

The Peony Manual, by C. S. Harrison, York, Neb.—This is the third edition of this useful publication, enlarged, improved and up-to-date. It gives complete directions for the propagation and cultivation of the peony, with good practical advice as to planting and flower production for commercial purposes as well as for garden adornment. The list of varieties is a carefully selected and representative one of 13 pages, comprising those that in the experience of the author, have proved to be of superior merit. The old price of 25 cents has been retained.

Floriculture as a Profession. Issued by the Department of Floriculture, Massachusetts Agricultural College, Amherst, Massachusetts.

A pamphlet full of inspiration and practical advice for the young man seeking to make floriculture his life work. Tells of its possibilities and opportunities, and describes the courses of instruction offered by the college in this department.

The requirements for admission to the college are based on the satisfactory completion of a high school course.

Expenses vary considerably, running from \$300 to \$500 a year. There are numerous opportunities for competent men to earn part of the money required. Students who are residents of the State of Massachusetts pay no tuition.

Inquiries relating to college work may be addressed to Kenyon L. Butterfield, President of the College. Correspondence dealing specifically with work in horticulture and floriculture may be addressed to Professor F. A. Waugh or Professor A. H. Nehrling, Amherst, Mass.

THE BOSTON S. A. F. CONVENTION.

Report of Committee on Final Resolutions.

The delegates to the convention of the S. A. F., Boston, August 18th to 21st, 1914, having been the recipients of many courtesies, desire to express their thanks.

We admire the hearty and efficient co-operation of the Allied Horticultural Interests of Boston, which made possible the delightful succession of entertainments during our entire visit. It is gratifying to note the sympathy and co-operation of the municipal authorities, which made possible the Convention Garden, which was so desirable a feature that it should be, if possible, continued at all future conventions. We appreciate the presence of the Hon. James M. Curley, Mayor of Boston, whose hearty words of sympathy and welcome signalized the formal opening of the Convention Garden. We also thank His Excellency David I. Walsh, the Governor of the great Commonwealth of Massachusetts, who, leaving the pressing duties of his office, came to express his welcome and his high appreciation of the work in which the members of the Society are engaged.

Mr. Joseph J. Lannin, president of the Boston American Baseball team deserves the thanks of a very large number of the visitors, who availed themselves of the invitation to games in progress during our visit. The ladies of the S. A. F. are enthusiastic in expressing their delight at the results of the efforts made in their particular behalf. In summing up we may say that nothing was left undone to make our stay in Boston both profitable and enjoyable.

Robt. Craig, E. G. Hill, Olaf J. Olson, Committee.

Addition to Report of Judges of Trade Exhibit.

We have examined the bolted steel purlin clamp exhibited and used in the construction of John C. Moninger Company greenhouses, and after carefully considering the good features of this fitting, we do recommend that a certificate of award of the highest mention be given to the John C. Moninger Company, Chicago and New York, for this fitting. This fitting is made for any sized pipe, and is of steel, galvanized. This bolted clamp fitting takes the place of the old-style split tee, and is a great improvement. The pipe support is placed directly underneath the pipe purlin, and the split fitting goes around the pipe purlin and down on the sides of the support. A bolt then passes through the split fitting and the pipe support. When this bolt is tightened and considering that the pipe support is close to the purlin, there is no possibility of the support swaying. The fitting cannot loosen and thus makes a tight clamp.

W. H. Siebrecht, Frank H. Traendly, Joseph A. Manda, Judges.

Department of Plant Registration.

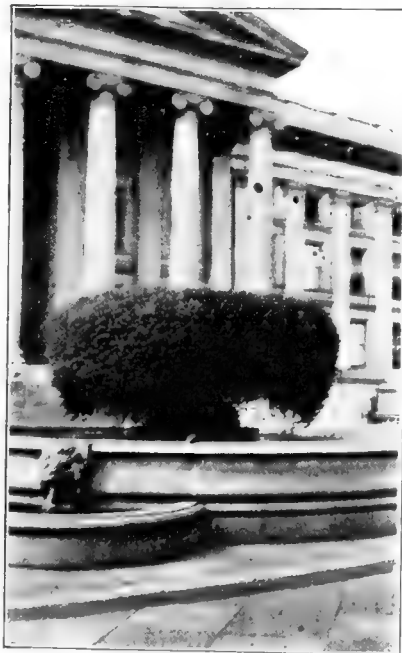
Public notice is hereby given that as no objection has been filed against the registration of the Sweet Pea, Selma Swenson, by Vaughan's Seed Store, New York and Chicago, same becomes complete.

JOHN YOUNG, Sec'y.

Aug. 22, 1914.

MYRIOPHYLLUM PROSERPINACOIDES.

For many years past the splendid specimen of *Myriophyllum proserpinacoides*, or parrot's feather, which grows in the bowl of a fountain at the North front of the Treasury Department, has attracted thousands of visitors. Great care is given it and it



responds with rapid and luxuriant growth. Although beautiful at the present time it will require about two months more before it reaches its zenith and covers the entire bowl, itself of large dimensions.

REPLANTING RASPBERRIES AND ASPARAGUS

Editor HORTICULTURE:

I have an old raspberry bed that I would like to lift this fall and replant in another part of the garden. By doing this will they fruit next year as well as if I did not move them? Would you advise laying the canes down and protecting them this winter?

We also have an old asparagus bed that is surrounded by trees. Can these old plants be lifted and successfully replanted in another place?

Any information you can give me on the above subjects will be greatly appreciated by

A SUBSCRIBER.

If the raspberry canes are not too weak and if "Subscriber" can lift them carefully with considerable earth on the roots and then give them very careful winter protection, I am sure he would get a fair crop, but not a full one, as so much depends upon how the moving is done and also upon what kind of a winter we have. I would risk it and expect a fair crop. Lay the canes down.

The old asparagus roots cannot be moved with any degree of success. "Subscriber" had better start a new bed with good healthy young roots. He should plant one-year roots.

WILFRID WHITLER.

Concord, Mass.

The Official Trade Register for 1914 of the New Zealand Association of Nurserymen has been received. This includes the Seventh Annual Report and Balance Sheet of the Association.

THE WHITE FLY PROBLEM.

Editor HORTICULTURE:

The many times that the question was put to me at the S. A. F. trade exhibit in Boston, "What can be done to destroy the white fly?" leads me to believe that many of our florists have not yet discovered that nothing short of a continuous warfare, until all vestige of the pest disappears from the house, is the only successful remedy for combating the white fly. This is necessary whether the method employed is spraying or fumigating.

The following facts may prove interesting to some of your readers: Both the adult and young white fly succumb readily to most insecticides recommended for sap-sucking insects, but when spraying careful application is requisite so as to come in contact with them. After such an application the white fly will disappear from the house for some days only to reappear in most instances; but this is another brood hatched from the eggs which seem immune even from the deadly cyanide gas. As the fly is hatched out, spraying or fumigating should immediately follow and this should be persistently kept up, until all signs of the presence of the fly disappear, at intervals of five or six days. To overcome this pest a half dozen sprayings or fumigations are sometimes necessary. Many growers seem to be under the impression that the remedies they use merely "dope" the fly and that the return of the insects in a short time is due to their surviving from the "dope." This is not so, for the growers have several generations to fight until the eggs present in the house are all hatched and the broods destroyed as they make their appearance.

A new formula for spraying has recently been introduced, in the form of using cyanide of potassium diluted in water. I am not aware whether its advocates have experimented to discover what the effects would be on human life if this were applied to fruits and vegetables, or even to flowers which are freely handled and at times reach the mouth. There would appear to be much damage if they were sprayed even with a much diluted form of liquid containing the deadly cyanide of potassium. There can be no doubt that for leaf-eating insects cyanide diluted in water would be most deadly; but a warning should be sounded through the trade papers to those who may attempt to use it in this form that there is no poison more dangerous to handle, and that even an infinitesimal part reaching the tongue will prove fatal.

M. C. EBEL.

RECORD PRICE FOR POTATOES.

There is always something new "under the sun" and the latest game has been played on Mr. Blakemore, owner of the greenhouses on Speen street, West Natick. Some ingenious rascal pulled up his potatoes and then put the vines back in the ground again, so as to give the appearance of being undisturbed.

The loss of a considerable portion of the crop was discovered last week, and at the same time a lady's gold watch was found in the potato patch. The owner of the watch, evidently, has no desire to recover his or her property in view of the fact that a prosecution for theft probably hangs over them.

Notwithstanding the rise in the price of

POEHLMANN'S 'MUMS

2½ inch Pompons and Standards now reduced for quick and

FINAL CLEARANCE

200,000 late propagated extra fine healthy stock all varieties listed by us

\$2.20 per 100; \$20.00 per 1000

TRY OUR 'MUMS

and be convinced that our choice commercial varieties are the ones that will bring you the largest returns for the amount invested. We have a fine healthy lot of nice soft plants in splendid growing condition, but we need more room and in order to move this stock quickly we are making **A BIG REDUCTION IN PRICES**. You can now buy any variety listed by us, Pompons or Standards, for \$20.00 per 1000—a direct saving of from 25 per cent. to 75 per cent. on our regular prices. Better hurry your order as this stock will not last long at these **SPECIAL PRICES**. Note the price \$2.20 per 100, \$20.00 per 1000.

CHRYSANTHEMUMS

EARLY—White—Smith's Advance, Oct. Frost, Virginia Poehlmann, Alice Salomon. **Yellow**—Chrysolora. **Pink**—McNeice. **MIDSEASON—Yellow**—Bonnaillon, Crocus. **Pink**—Enguehardt. **LATE—White**—Timothy Eaton. **Crimson**—Schrimpton.

POMPONS and SINGLES

NEW ONES—Chieftain—Pink Alice Salomon. **POMPONS—Yellow**—Krut, Skibo, Madge, Klondyke, Baby, Big Baby, Quinola. **White**—Waco, Alva, Kommit. **Pink**—Nellie Bly, Fairy Queen, Alvina. **Bronze**—Madam Laporte, Mrs. Beu. **SINGLE POMPONS**—White—Mensa. **Bronze**—Pauline. **Single Pink**.

SUPREME QUALITY ROSE STOCK

BEST PLANTS THAT MONEY CAN BUY. Growers are always on the lookout for quality rose stock. They realize that the best at the start is the cheapest in the end. When buying plants it is always best to secure your stock from people that have a reputation for producing the best there is to be had. You cannot get any better stock than that which we are offering, for we always aim to give the purchaser the best that our long years of experience enable us to do.

GRAFTED ROSES

2½ in. plants—Bulgaria, Ward, Milady, at \$12.00 per 100; \$100.00 per 1000. Killarney Brilliant, \$30.00 per 100; \$250.00 per 1000. 3½ in. plants—Milady, at \$15.00 per 100; \$135.00 per 1000. Killarney Brilliant, \$35.00 per 100; \$300.00 per 1000.

OWN ROOT ROSES

2½ in. plants—Milady, Ward, Killarney, at \$6.00 per 100; \$55.00 per 1000. 3½ in. plants—Milady, at \$8.50 per 100; \$75.00 per 1000.

These prices are in effect only for cash in 10 days.

FIELD GROWN CARNATIONS

STEVIA, 2-inch, at \$20.00 per 1000

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POEHLMANN BROS. CO., Morton Grove, Ill.

CANES

For all purposes. 7 to 9 ft. long.
Can be cut to any size.

1000—\$7.00

W. Elliott & Sons

42 Vesey St., New York

Large EVERGREENS and DECIDUOUS TREES for sale

Write for list. Digging EVERGREENS Now.

THE F. E. CONINE NURSERY CO.
STRATFORD, CONN.

potatoes this year, this lot has cost far above the market price for the watch is a good one in every respect.

Natick (Mass.) Bulletin.

Dr. Perley Spaulding, Pathological Inspector, has been transferred to the Office of Forest Pathology, Bureau of Plant Industry, Washington, D. C., where he will continue his investigation of the white pine blister rust. Prof. R. Kent Beattie, of the Office of Forest Pathology, Bureau of Plant Industry, and formerly Botanist of the Washington State College, has been appointed Pathological Inspector for the Board.

JAPANESE Bamboo Canes

Just the thing for Staking Plants and Small Trees

Per Bundle

6 feet (1000 to bundle).....\$6.00
6 feet (2000 to bundle).....11.00
8 feet (1000 to bundle)..... 9.00
10 feet (500 to bundle)..... 6.00
12 feet (100 to bundle)..... 4.00
14 feet (100 to bundle)..... 5.00
16 feet (100 to bundle)..... 7.00

STUMPP & WALTER CO.

**30 and 32 Barclay Street
NEW YORK**

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

HEACOCK'S KENTIAS



**JOSEPH HEACOCK COMPANY
WYNCOTE, PA.**

ORCHIDS FRESHLY IMPORTED

We have unpacked the following in fine condition. **CATTLEYS**: Percivalliana, Gaskelliana, speciosissima. **DENDROBIUMS**: Formosum, Wardianum, noble, densiflorum, Schultzei. **VANDAS**: Coerulea, Batemannii, Luzonica, Imachootiana. **PHALAENOPSIS**: amabilis, Schilleriana. **Spathoglottis plicata**.

Write for Special List No. 55.

LAGER & HURRELL, Summit, N. J.

When writing to advertisers kindly mention **HORTICULTURE**.

HOT HOUSE GRAPES

Black Hamburg, Muscat of Alexandria, Alicante, Appley Towers, Gros Colmar, Gros Guillaume, Lady Downe's Seedling, Madresfield Court, Black Muscat

The above are grown in our own greenhouse and can be shipped immediately, if desired

Strong Fruiting Canes Planting Canes

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Of the Federation of Trade Press Associations, at the CONGRESS HOTEL, CHICAGO

September 24, 25 and 26, 1914

Three days which will be given over to a discussion of questions vital to the publishers and advertisers of the country. Three days, during which there will be several big guns and a lot of grape fired at many existing advertising and publishing fallacies. Three days of united effort to furthering the efficiency of Business Building through the Business Press.

This convention will interest the manufacturer, sales manager and advertising manager, as well as the editor and publisher. Your interests are interwoven with those of the Business Building Press.

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It stands for Truth and Honesty in Circulation and Advertising and the Highest Ideals in Business and Publishing Ethics. For further information address

**E. R. SHAW, Chairman Committee on Arrangements
537 South Dearborn Street, Chicago**

CATALOGUES RECEIVED.

Sluis & Groot, Enkhuizen, Holland Seed Crop Report and Prospects for Season.

Leamon G. Tingle, Pittsville, Md.—Price-List of Strawberry Plants, 1914. A good berry-growers' guide.

J. J. Wilson Seed Co., Newark, N. J.—Autumn Catalogue of Bulbs, Hardy Herbaceous Perennial Plants, etc. Pocket size, illustrated.

D. W. C. Ruff, St. Paul, Minn.—Catalogue and Price List of Choice Herbaceous Peonies. An extensive list including the fancy novelties of leading American and European introducers.

Thos. J. Grey Co., Boston, Mass.—Autumn Catalogue 1914. Bulbs, Hardy Perennials, Seeds for fall sowing and a complete line of Garden Implements, make this a very timely and useful publication.

Orenco Nursery Company, Orenco, Ore.—"Orenco Roses." This 24-page illustrated catalogue is devoted to roses exclusively. The list of offerings is extensive including many promising novelties.

Peter Henderson & Co., New York City—Midsummer Catalogue for 1914, A luscious dish of Fall-fruited Strawberry American "with fixings," in na-

tural colors forms an appropriate cover illustration to this very complete catalogue of summer trade material.

H. A. Dreer, Philadelphia—Autumn Catalogue, 1914. Hyacinths and Giant Trumpet Narcissi have been selected as cover illustration. These are done in duotone green with pleasing effect. The offerings in this catalogue cover the entire field of seeds, bulbs, plants and sundries for late summer and autumn purposes; 84 pages.

Sutton & Sons, Reading, England—"Sutton's Bulbs for 1914." A superb publication on a par with Messrs. Sutton's annual seed catalogue and a model of perfection in arrangement and in beauty of typographical work. A department of plants and vegetable and flower seeds for Autumn sowing is included. The section devoted to narcissi is a leading feature, with beautiful flower portraits.

Peter Henderson & Co., New York—Autumn Catalogues, 1914. An elegant and impressive publication, covers adorned with Dutch bulb garden pictures in colors in panel on white enamel surface. The compact tabulated system followed in the contents allows of the condensing of a very large amount of information and illustration within the 80 pages of this publication.

VISITORS' REGISTER.

Cincinnati—Sam Seligman, New York, N. Y.; Mr. McCabe, representing A. L. Randall Co., Chicago; Chas. Baum and A. J. McNutt, Knoxville, Tenn. and Mr. Jensen of Buck Co., Washington C. H., Ohio.

Philadelphia—Ferrari Bros., San Francisco, Cal.; H. Plath, San Francisco; D. MacRorie, San Francisco; Henry S. Pennock, Jupiter, Fla.; Harry Papworth, New Orleans, La.; W. R. Cobb, sales manager Lord & Burnham Co., New York City; Victor Groshens, Hillside, Pa.; Charles H. Uttley and wife, Harrisburg, Pa.

Chicago—R. R. Davis, Morrison, Ill.; Mrs. W. S. Evans, La Salle, Ill.; John Reardon, Ames, Iowa; Emil C. Volz, Ames, Iowa; J. W. Bommersbach, Decatur, Ill.; Miss Kaber, of The Kaber Co., and H. F. Janssen, Springfield, Ill.; Calvin D. Kinsman, Austin, Minn.; Mrs. H. Bills, Davenport, Ia.; Mr. Peterson, Hoopestown, Ill.; Conrad B. Wolf, Hibbing, Ia.; Wm. L. Rock & Son, Kansas City, Mo.; Geo. A. Kuhl, Pekin, Ill.; Harry Papworth, New Orleans, La.; Dan. MacRorie, H. Plath, P. Ferrari and V. Ferrari, San Francisco, Cal.; Mr. Bentzen, of Bentzen Floral Co., St. Louis, Mo.

BODDINGTON'S "QUALITY" CHRISTMAS-FLOWERING

SWEET PEAS

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will again be scarce this season. The winter-flowering Spencer types are almost a total failure owing to the exceptional season in California this Spring, and through the ravages of Aphids.

We regret that our stocks of YARAWA and ANITA WEHRMAN are entirely exhausted, also many other good varieties, but we can still offer the following while stocks last. Order at once to avoid disappointment—remembering that our stocks are true to name and while a little higher in price, will save you money in the long run.

ROSE QUEEN "ROSE QUEEN" is Orchid-flowering, borne on long stems, extremely free and early and of pink color most attractive, is a decided acquisition, and like all meritorious novelties is sure to be in demand wherever grown. Prices: Trade pkt., \$1.00; 3 trade pkts. for \$2.75; 1 oz., \$12.00.

THIS ADVERTISEMENT CAN BE USED AS AN ORDER SHEET

Remember, you may deduct 5% if cash accompanies the order.

	Oz.	¼ lb.	½ lb.	Lb.
...BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting	\$0.25	\$0.75	\$1.25	\$2.00
...BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months	.15	.50	.85	1.50
...BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer	.15	.50	.85	1.50

	Oz.	¼ lb.	½ lb.	Lb.
...CANARY. Similar to the Christmas White, but flowers of an exceptionally good yellow.....	.35	1.00	1.75	3.00
...FLORENCE DENZER. Pure white...	.25	.75	1.25	2.00
...LE MARQUIS. This is the same color as Princess of Wales violet; has very large flowers.....	.35	1.00	1.75	3.00
...MISS HELEN M. GOULD. White, open flower; standard lilac, marbled....	.35	1.00	1.75	3.00
...MISS JOSEY REILLY. Lilac; very large flowers.....	.35	1.00	1.75	3.00
...MRS. ALEX. WALLACE. Lavender; very scarce.....	.25	.75	1.25	2.00
...MRS. HANNAN. Deep rose pink; very pleasing shade.....	.25	.75	1.25	2.00
...MRS. WILLIAM SIM. Salmon pink..	.25	.75	1.25	2.00
...MRS. W. W. SMALLEY. Satiny pink.	.25	.75	1.25	2.00
...MRS. F. J. DOLANSKY. Daybreak pink.....	.50	1.50	2.25	4.00
...MRS. CHAS. H. TOTTY. Sky blue; late.....	.25	.75	1.25	2.00
...MRS. ZVOLANEK. Blue, variegated; good for variety.....	.50	1.50	2.75	5.00
...WATCHUNG. Pure white.....	.25	.75	1.25	2.00
...WM. J. STEWART. Blue self.....	.35	1.00	1.75	3.00

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200 ACRES,
TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.
W. B. WHITTIER & CO.



FINE STOCK OF
RHODODENDRONS,
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AZALEAS, CONIFERS, CLEMATIS,
H. P. ROSES, SHRUBS, AND HER-
BACEOUS PLANTS.
P. OUWERKERK, 216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mas-

CYCLAMEN

Best strain in existence.

4 inch	\$35.00
3 inch	60.00
4 inch	75.00

THOMAS ROLAND,

Nahant, Mass.

SEED TRADE

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Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Impton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

The Import Situation.

Writing to you one week ago, Mr. Editor, we did not use a very cheerful tone about the import situation in the seed trade. The advices received during the past few days do not relieve the gloom. In fact they rather accentuate it. We hear, for instance, of 60 per cent of the flower of the seed houses of Europe, being called to the front; of crops unharvested; of transportation stopped; of general collapse and stagnation.

This applies not only to the belligerents but to a large extent also to the neutral nations. We have got our French bulbs all right and a large part of our Dutch. But how many more will we get? The ocean lanes may be free but how about the other conditions? How about the transportation from field to warehouse and seaport. As far as can be seen now we are facing a situation that calls for patience, wisdom, philosophy, from everybody.

The Cheapest Commodity.

One distinguished Englishman writes that most of his men have gone and that nearly all his horses were commandeered. He was allowed three hundred dollars a head for the horses, but nothing for the men. Another thing that seemed to loom large in his mind was that there would be no pheasant shooting this year. The situation over there seems to be like what the old fishwife described in the "Antiquary": "Herrings are dearer than men's lives." And the price of a pound of *Agrostis stolonifera* will be more considered than two hundred pounds of human being. Such is the madness of a mad world!

The Deluge.

The tremendous cost to every nation, neutral or combatant, both in the destruction of commerce and the feeding of fighting men is so great at this stage of the world's civilization and the nations are so interdependent on each other that it looks to an unprejudiced onlooker that the whole ghastly calamity must collapse in short order for lack of provender—or as Dugald Dalgethy put it "Provant." The very bigness of it must tend to bust it.

Humanity.

In the meantime we all suffer, whether engaged in export or import, for we all gain by both operations and not on one only as many suppose. This is a time to try men's souls and it behooves everybody to keep their heads level and their emotions under control; also to be willing to forget self-interest for a while and be for once real men in the brotherhood of men—"each for all and all for each."

GEORGE C. WALSON.

European Seed Outlook.

In a recent issue of HORTICULTURE we called attention to the possibility of American seedsmen receiving no seeds from Europe for the coming season's trade. It seemed a practical certainty that we would get nothing from Germany or Austria-Hungary, but there did seem a fair prospect of getting these stocks usually supplied by Great Britain, and possibly from France, Denmark and Holland. During a war waged with the savage energy characterizing the one now raging in Europe, changes are of kaleidoscopic rapidity, and it now looks extremely doubtful of getting any stock from France, and only a little less doubtful from Holland and Denmark. Up to within two weeks, Mr. Dicks, of Cooper-Taber Co., was very optimistic as to shipments from Great Britain, assuring his customers that there was scarcely a doubt of our seedsmen getting their usual supplies from the British Isles. Mr. Dicks generally extends his American tour into late autumn, but he is already about to sail for home, and before going expressed his conviction that some seeds may get through from Great Britain, but that anything approaching the quantities ordered will be received, looks like the long end of a good betting proposition. Under such conditions we repeat what we said in our issue of two weeks ago, that anyone who has to buy, should act on any quotations named now by a reliable dealer, as few if any of us fully appreciate the gravity of the situation. Should we have to rely wholly on stocks on hand, values of many items are likely to reach a higher level than ever known before, for it will surely dawn on every wholesaler that not only for the season of 1914-15, but for 1915-16 there will be little or nothing from Europe and particularly in biennials, as few if any stocks for 1915 seedling will be saved. This country has but a small quantity of stocks for seedling in 1915, and but few items at that, and it will require from two to four years to meet the requirements. About the only biennials produced in this country in sufficient quantities to be a factor in the general situation, are garden beets, carrots, salsify, onions and perhaps turnips and celery. What percentage of these go to make up the grand total we are unable to say at this time. We are advised that Mr. Dicks and the representative of David Sachs & Co. booked orders for considerable quantities of garden peas as also field peas. These will not be shipped and should New Zealand follow the lead of the mother country, there will be a considerable vacuum for American seed growers to fill in the line of peas. Inability to get any of the German grown field peas, will cause what are known as "Canada Field" to reach almost prohibitive prices.

Local Conditions.

There have been no material changes in crop conditions since our last report, but the very warm weather of the past week will greatly benefit late corn and in fact most late crops.

Most of the seedsmen are home from more or less restful vacations, and are carefully studying their inventories to learn what shorts they must



¼ Natural Size.

Michell's Mignonette "COLOSSAL"

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cover, and by the way, it seems to us it would be wise to get busy. There are rumors already, that several houses which usually issue wholesale price lists are seriously considering omitting them next year, and they are among the best informed in the trade as to general conditions. Make note!

Notes.

Denver, Col.—The Barteldes Seed Co. will open a retail seed store at 821 Fifteenth street about September 1st.

Rumors have reached us that the old established nursery, seed and plant establishment of J. Backhouse & Son, York, England, is in financial difficulties.

The following communication from

BULBS

Our supplies from FRANCE and HOLLAND have nearly all arrived. We are unpacking them now and will begin shipping them in a few days.

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"At present there is a Government Proclamation prohibiting the export of all seeds, but we hope this will be removed or modified on most, if not all, sorts shortly.

Assuring you of our desire to do our best under these trying circumstances, I will advise you of any fresh information as soon as I receive it."

On inquiry we find that the proclamation referred to has been rescinded. This will be good news for the seed trade.

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Early Roman Hyacinths.....	3.00	29.00
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Freesias, Purity.....	2.50	22.50
	Dozen	100
Harrisii Lilies, 7 9.....	\$1.35	\$8.75
Longiflorum Formosum Lilies, 7 9.....	1.25	7.00
Calla Lilies, selected 5 1/4 to 6 in.	1.25	8.50
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Of Interest to Retail Florists

J. H. Playdon, Andover, Mass., will
reopen his store on Tuesday, Sept. 8.

Howard's Flower Shop, at Harvard
Square, Cambridge, Mass., will be re-
opened for the season, next week.

The Shepard-Norwell department
store in Boston, opened a new flower
department on Monday, August 31 and
presented a souvenir flower to every
visitor.

NEW FLOWER STORES.

Kankakee, Ill. — Schafer Flower
Shop.

Waterville, Me. — Charles Carter,
154 Main street.

New York, N. Y. — Alfred Kottmiller,
Forty-ninth St. and Madison Ave.

Boston — Shepard Norwell Co.
Flower Department, Winter street.

Norwood, Mass. — Norwood Florist
Co., Murphy Block, Washington St.

ST. LOUIS NOTES.

Charles Young with his family have
returned from a northern trip.

September 13 will end the early
closing of the wholesale houses which
has been in force for three months.

E. T. Flannagan & Sons of Belle-
ville, Ill., gladiolus and dahlia grow-
ers, are selling out and making prepa-
rations to move to California.

Oscar Kuehn of Smith's wholesale
house won the florist prize a \$60 kodak,
for amateur photograph of the
new Railway Exchange Building.

August 28th was the twenty-fifth
anniversary of the death of Henry
Shaw, founder of Shaw's Gardens.
Secretary Cunningham had several
pictures of Mr. Shaw displayed in
downtown windows.

CINCINNATI NOTES.

Mr. and Mrs. Gustav Meier are
spending a fortnight in Fort Wayne.

Mr. and Mrs. P. J. Olinger have gone
to North Dakota where they will visit
for the next week.

At the annual meeting of the stock-
holders of the Hyde Park Rose Co.,
Albert Sunderbruch, Gus Meier and
Frank, Bernard and Henry Sunnen-
berg were reelected to the directorate.
Gus Meier was then chosen president
of the corporation, Albert Sunderbruch,
vice-president and Bernard Sunnen-
berg, secretary-treasurer.

NEW CORPORATIONS.

Eureka, Cal. — Cottage Garden Nur-
series, capital stock, \$75,000.

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& Son, Inc., capital stock \$50,000; H.
W. Johnson, president; Geo. H. Ban-
croft, secretary.

Bayonne, N. J. — A. C. Schroeter &
Sons at Ave. E and 31st St., are de-
molishing several of their old green-
houses which have passed their use-
fulness.

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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn, the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.
New York—A. Warendorff, 1193 Broad-
way.
New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
St. Paul, Minn.—L. L. May & Co.
Stamford, Conn.—"Quality Shop," Stam-
ford Seed & Nursery Co.
Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEWS NOTES.

Dennison, O.—The Dennison Floral
Co. has changed its name to the Twin
City Floral Co.
Seattle, Wash. — Simon Swanson
has rented the Brown Greenhouses,
4015 Densmore avenue.
Springfield, Ill. — Hembreiker &
Cole have purchased the greenhouse
range and business of the late Arthur
C. Canfield, at South Grand avenue
and State street.
Boston, Mass.—F. H. Houghton Com-
pany, capital stock, \$10,000. Incorpora-
tors, Frank H. Houghton, Caroline D.
Houghton, Samuel Kravatz, David A.
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CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

Nomination of officers and a review of the convention were the features of the monthly meeting of this club held on the 1st inst. The nominations were: For president, George Burton; vice-president, C. H. Grakelow; secretary, David Rust; treasurer, George Craig. As there is no opposition, these nominations are equivalent to election. Fred Hahman and others discussed the convention; and all seemed to be highly pleased with their experiences. The secretary was instructed to express the thanks of our club to the Boston brethren for the many courtesies extended. A similar motion was made in regard to the New York Club for their hospitality on the steamer from New York to Boston. Edward Reid gave a graphic account of his experiences in Europe; many of them tragic, some of them highly humorous. He said he finally got passage back for himself and family on the St. Paul, via the steerage. He was not disappointed in the steerage. It was worse than he expected. No more beautiful image ever appeared to mortal eyes than to him when the Goddess of Liberty statue loomed up in the offing. Adolph Farenwald spoke on affiliation and the National Flower Show of 1916. Charles Henry Fox is scheduled as the essayist for the October meeting. Subject: My European experiences.

CONNECTICUT HORTICULTURAL SOCIETY.

The Society held its first meeting succeeding the usual two-months' vacation at the County Building, Hartford, August 28. As President Huss was out of town attending the Park Superintendents' Convention, Mr. Hunt acted as chairman. The matter of appointing a committee of three to work in conjunction with the Gardeners' Co-operative Movement was postponed until the next meeting. Spikes of the gladioluses, four feet long having two dozen blooms to a spike, and asters were exhibited by William H. MacKenzie, Bristol, and a first-class certificate was awarded. Alfred Cebelius, also received a first-class certificate for asters, and G. Ogren for asters and Shirley poppies. Francis Roulier gave a most interesting account of his trip to Switzerland, giving his experiences there after war was declared. The meeting was well attended.

ALFRED DIXON, Sec'y.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

This association had a record meeting last week at Newburgh, N. Y. The sessions opened Monday, August 24 and continued till Thursday, August 27, the Thursday meeting being in New York City. The convention opened on Monday afternoon at the Palatine Hotel with a stirring address by Hon. John B. Corwin, mayor of Newburgh, followed by words of welcome by the park commissioners. A sketch of the life and work of A. J. Downing was read by Prof. F. A.

Waugh and there was an illustrated lecture by Oglesby Paul on the Preservation of Natural Woodlands Under Park Conditions, which was read by Mr. Merkel of Bronx Park, N. Y., Mr. Paul not being present.

Tuesday was devoted to visiting points of interest in and around Newburgh and Fishkill, including Mt. Beacon, Downing Park, the home of Mrs. E. H. Harriman in the Ramapo Mountains, where they were entertained at luncheon by Mrs. Harriman, and Tuxedo Park.

Tuesday evening there was an entertainment, reception and dance at the show rooms of the Coldwell Lawn Mower Company. Wednesday the members were guests of George W. Perkins, president of the Interstate Park Commission, on a trip down the



G. X. AMRHYN

President-Elect, American Association of Park Superintendents

Hudson River, visiting West Point, Interstate Parks and other points on the way to New York, where Thursday was spent in sight-seeing.

The business sessions were held in Y. M. C. A. Hall, Newburgh. G. X. Amrhn of New Haven was elected president over George W. Burke, of Pittsburgh. For secretary-treasurer, R. Cotterill of Seattle, Wash., won out over the present incumbent, J. J. Levi-son. Dan. MacRorie was present and made a seductive speech on behalf of San Francisco for the 1915 convention and San Francisco won. The number present, including ladies, exceeded 200 and many new members were enrolled. An amendment to the constitution establishing a new classification of membership was unanimously adopted.

NORTH SHORE HORTICULTURAL SOCIETY.

The annual exhibition of the North Shore (Massachusetts) Horticultural Society, postponed earlier in the month because of unfavorable weather, opened Thursday, Aug. 27. A large

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tent had been erected on the grounds of Mrs. Robert C. Winthrop, offered by her for the purpose, and an interested public thronged it during the afternoon as well as in the evening, when a band concert was given. The pretty effects and general arrangement which charmingly displayed the products of North Shore gardens and hothouses, fields and meadows, were mainly due to John Chapman, the president, and other officers of the society, and the advisory executive committee, which consisted of Mrs. W. Scott Fitz, Mrs. George E. Cabot and Miss Mary Bartlett.

Considering the backwardness of the season and the close competition resulting, the general show was most creditable and beautiful. The riot of color and the exquisite and artistic arrangement of all departments created most favorable comment from the representative people in attendance. The most gratified people present were the gardeners, who have labored so unceasingly to get results pleasing to their employers, who expend so much money each year on this department of their great estates.

INTERNATIONAL FLOWER SHOW.

The Preliminary Schedule for the "International" Flower Show to be held in New Grand Central Palace, New York City, March 17 to 23, 1915, has been published and copies can be had from the secretary, John Young, 53 West 28th street, New York. As heretofore the schedule of prizes is very extensive and diversified making ample provision for the recognition of the cultural abilities of private and commercial growers in separate sections. Section A and B are for plants in flower; C and D, palms and foliage plants; E, miscellaneous plants; F

and G. ferns; H and I, bulbous plants; J and K, orchid plants; L and M, cut orchids; N and O, roses in pots and tubs; P and Q, cut roses; R, S and T, carnations; U and V, sweet peas; W and X, miscellaneous cut flowers; Y, violets; Z, table decorations. Premier prizes in some of the large classes run \$100, \$200 and \$300. All the premiums offered are liberal.

CLUB AND SOCIETY NOTES.

The Lady Florists' Home Circle will meet Wednesday, Sept. 9th, at the home of Mrs. John L. Koenig, 3511 Clarence avenue, St. Louis.

The Paterson, N. J., Floricultural Society will conduct a floral show in the Second National Bank Building on September 12, and prizes will be awarded the first, second and third winners in dahlias, asters, gladioli and roses.

The St. Louis Florist Club will hold their installation meeting on Thursday afternoon, Sept. 10. This meeting will take place at the home of the Sanders' Nursery on the Hanley road. The new officers are going to make a record this year in membership and attendance.

The New London (Conn) Horticultural Society held their Summer Show on August 26th in Clifford's Pavilion, Ocean Beach. The weather turned out cold, but for all that there was a good show of asters and gladioli which were the leading flowers. There was good competition in most of the classes, but the children's classes were empty. The attendance was good. The next morning all flowers that were of any use were sent to the hospital including the exhibit of gladioli from W. J. Schooman of Norwich. H. E. L.

The annual exhibition of the products of children's gardens will be held at Horticultural Hall, Boston, Saturday and Sunday, September 5th and 6th. Indications point to an unusually large display this year as the interest of the children throughout the State in their school and home gardens is steadily increasing. Nearly all the gardens connected with the public schools in the eastern part of the State will be represented at this exhibition and there will be displays of flowers and vegetables grown in home gardens, window boxes, and roof gardens. The exhibition is free and will be open Saturday from 12 to 6 and Sunday from 2 to 6 o'clock. Wm. P. Rich, Sec'y.

The largest exhibition of flowers ever held in San Antonio, Texas, is planned by the San Antonio Florists' Society for the early part of November. The public will be invited to enter exhibits of cut flowers and growing pot-plants, in competition for cash prizes, and florists of the city will be allowed to place flowers of all kinds on exhibition. The purpose of the project is to encourage the growing of flowers in yards and in pots on porches, as a means of beautifying the city.

It is proposed to hold the exhibition in the down-town district and present plans call for the renting of two entire floors of some centrally located building.



THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing advertisers kindly mention HORTICULTURE.

If you did not receive a sample of the MEYER GREEN SILKALINE at the florists' convention held in Boston, Aug. 18th, 19th, 20th and 21st, we would be pleased to submit samples and prices free at any time. The price on the MEYER GREEN SILKALINE is \$1.25 per lb., liberal discounts in case lots of 100 lbs. and upwards.

The first annual exhibition of the Lewiston-Auburn Gardeners' Association was held in Auburn Hall, Auburn, Me., on August 27 and 28. This is a new society started only a few months ago. Since then meetings have been held weekly between the two cities, and a sentiment has been worked up that has resulted in the greatest exhibit of flowers ever seen in this section. In fact, Auburn Hall was one solid mass of flowers, fruits and vegetables, worth going a long distance to see the contributors are mainly amateurs and particularly the children. The local florists have, however, given their assistance and encouragement in every way. The judges were Ernest Saunders, Hugh Roak and Mayor Wiseman.

The Horticultural Club of Boston, held its first meeting of the season at the Parker House, on Wednesday evening, September 2. Charles Bradley, superintendent of the Farm and Trade School for Boys on Thompson's Island, Boston harbor, was an invited guest and spoke on the work being done there through the generous support of philanthropic citizens to train boys in agriculture. The floral decorations were lavish and beautiful. There were splendid specimens of Europa and other gladioli from Wm. Sim, choice asters from M. A. Patten and carnation Alice from Peter Fisher, the latter showing convincingly the fine qualities of form, color, fragrance and all-the-year productiveness of this popular novelty.

The flower show held at Lancaster, Mass. on Friday, August 28, was the best that has ever been shown in Lancaster, surpassing the one last year in many ways. A background of ivy was a display from the greenhouses of Bayard Thayer. The exhibit of gladioli by C. F. Fairbanks, Milton, was most beautiful. The windows were decorated with palms and campanula from Mrs. Nathaniel Thayer's estate. There were also tiger lilies from Mrs. John E. Thayer's. There were rare lilies in the lobbies, including *Gloriosa superba*, which were exhibited by Mrs. Nathaniel Thayer. There was a collection of native shrubs which were shown for educational purposes by Mrs. Bayard Thayer. Garden flowers were profusely shown by numerous exhibitors.

The seventeenth annual exhibition of the Monmouth County Horticultural Society, will be held at St. James's hall,

Red Bank, N. J., on Wednesday and Thursday, October 28 and 29. Prizes will be offered for exhibits of chrysanthemums, foliage plants, roses, cut flowers, carnations, fruits and vegetables. The exhibition committee is composed of George H. Hale, Philip Bonner, Wellington W. Kennedy, Harry A. Kettel, Percy A. Hicks, William Dowlen and Harry Collis. The judges will be William Turner of Mendham formerly of Oceanic; James Kennedy of Deal, Adam Patterson of Saugatuck, Connecticut; James Stuart of Mamaroneck, New York; Peter Duff of Orange and Mr. Burns of New Canaan, Connecticut. William Metzдорff is president of the society, Philip Bonner is vice-president, Harry A. Kettel, secretary, Percy A. Hicks, financial secretary and George H. Hale treasurer.

The announcement that our French contemporary, *The Revue Horticole*, has been obliged to suspend publication for an indefinite time because the entire staff of employees had been called to the front, brings out very impressively the conditions so suddenly forced upon the people of that country with which we have been horticulturally so closely in touch. General Sherman's characterization of war well fits the conflict now raging in Europe compared with which all others, terrible as they have been, seem insignificant.

Sept. 1, 1914.

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Enclosed find a money order for one dollar for one year's subscription to HORTICULTURE. I think it is the best paper that I have ever seen.

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226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI August 2		CHICAGO August 29		BUFFALO August 29		PITTSBURG August 29	
Roses								
Am. Beauty, Special	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 18.00
" " Fancy and Extra	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00	10.00	to 12.50
" " No. 1	10.00	to 15.00	5.00	to 10.00	10.00	to 12.00	4.00	to 6.00
Killarney, Richmond, Extra	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 6.00	5.00	to 8.00	4.00	to 5.00	6.00	to 8.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00
Maryland, Taft, Extra	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	0.00	to 8.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Russell, Sawyer	4.00	to 6.00	4.00	to 20.00	5.00	to 6.00	6.00	to 8.00
Carnations, Fancy	1.50	to 2.00	2.00	to 2.50	1.50	to 1.50	...	to 2.00
" " Ordinary	...	to ...	...	to 1.00	...	to ...	...	to 1.00
Cattleyas	...	to ...	50.00	to 60.00	40.00	to 50.00	30.00	to 50.00
Lilies, Longiflorum	8.00	to 12.50	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00
Lily of the Valley	...	to 4.00	3.00	to 4.00	...	to 4.00	2.00	to 4.00
Asters	2.00	to 4.00	1.00	to 4.00	.50	to 3.00	1.00	to 3.00
Gladioli	2.00	to 4.00	2.00	to 5.00	1.00	to 3.00	2.00	to 4.00
Corn Flower	...	to ...	...	to ...	...	to ...	...	to ...
Chrysanthemums	...	to ...	8.00	to 15.00	15.00	to 20.00	...	to ...
Dahlias	2.00	to 4.00	...	to ...	1.00	to 2.00	.50	to 2.00
Sweet Peas	...	to ...	...	to ...	.20	to .30	...	to ...
Gardenias	...	to ...	...	to ...	...	to ...	...	to ...
Adiantum	...	to 1.00	...	to 1.00	1.00	to 1.25	...	to ...
Smilax	...	to 12.50	10.00	to 15.00	...	to 15.00	12.50	to 15.00
Asparagus Plumosus, Strings (100)	...	to 25.00	40.00	to 50.00	40.00	to 60.00	30.00	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 25.00	25.00	to 35.00	25.00	to 35.00	30.00	to 40.00



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Flower Market Reports

BOSTON Very little animation is apparent in the trade yet, either in wholesale or retail departments. Roses are plentiful, American Beauties included. The latter are selling quite freely but there is still a surplus. Carnations of the new crop are coming in; no great demand for them but they are moving satisfactorily. Gladioli are shortening up rapidly; neither as good nor as abundant as they were. Asters are a veritable nuisance as to quantity received and lack of demand and they are bedraggled by the frequent rains. A few chrysanthemums—October Frost and Golden Glow are seen. Sweet peas are in good demand and scarce. The same is true of lily of the valley.

BUFFALO Quite a satisfactory business was had during the past week. The supply is heavy on all lines except on fancy asters which are still on the scarce side. Some indoor grown asters are fine, but not enough to fill the demand for that quality. There are plenty of Beauties and other roses, also lilies. The Saturday cleanup was quite satisfactory for summer condition.

CHICAGO According to schedule, business should be awakening into new life this week and it really is on the gain. Not that anything like all the flowers are sold or that prices are what growers like to see them, but the tendency is to a strengthening of prices on the best grades of stock and a little better demand. Carnations are again a feature in the market, some very good ones coming from under the glass, and stems are lengthening. The chrysanthemum season is just opening and Golden Glow has all the honors so far, selling from eight to fifteen cents each. Supply of lily of the valley is shortening as is also the number of orchids. Daisies are gone and miscellaneous flowers are few. This makes it easier to sell a higher class of flowers and the demand runs strongly to roses, as usual. Beauties seemed shortening a little last week but are again plentiful, more than can be moved. Mrs. Russell is holding her own as queen of the summer with Mrs. Shawyer second. At Poehlmann Bros', the success of these as summer roses is considered sure. There is a good supply of Mrs. Ward, Sunburst and Killarney Brilliant among the newer roses, and when cooler weather comes the wholesaler predicts the usual swing back to Killarneys and Richmonds, as first choice of buyers again. All kinds of green can be had. Carnation Philadelphia is being seen in the market, but so far it looks sleepy. Possibly cooler weather will give better results.

CINCINNATI The demand for stock is very slow while the supply on the other hand continues large and good. The result of the combination of these two items is a rather poor week's business. The cut of roses continues heavy; quality much better. Carnations are fair for the first crop flowers. Lilium giganteum plentiful and good. Rubrum lilies do not sell very well. A few tuberose reach the wholesale market. Asters and gladioli together form the largest part of the week's

MRS. CHARLES RUSSELL



A new Rose is in fine form at present and is proving a good hot weather variety. Get some of them!

\$6, \$8 and \$10 per 100

If you want variety in Roses for your coming season's business, you can get them from us. We have 25 or more varieties to pick from and the above-mentioned variety will be among the best.

DAHLIAS

This fall flower is coming in in fine variety. For decoration work there is nothing better.

\$2 and \$3 per 100 — special price in quantity

We close at Noon, Labor Day, Sept. 7
Until Sept. 15, we continue to close at 5 P. M.



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WHOLESALE FLOWER MARKETS

TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 3	ST. LOUIS August 29	PHILA. August 29
Roses			
Am. Beauty, Special	15.00 to 20.00	20.00 to 25.00	15.00 to 20.00
" " Fancy and Extra	6.00 to 12.00	10.00 to 15.00	10.00 to 12.50
" " No. 1	2.00 to 4.00	5.00 to 8.00	3.00 to 8.00
Killarney, Richmond, Extra	3.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" " Ordinary	.25 to 2.00	1.00 to 2.00	1.00 to 3.00
Hillingdon, Ward, Sunburst, Extra	3.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" " Ordinary	.50 to 2.00	2.00 to 3.00	1.00 to 3.00
Maryland, Taft, Extra	3.00 to 6.00	4.00 to 5.00	4.00 to 6.00
" " Ordinary	1.00 to 2.00	1.00 to 2.00	1.00 to 3.00
Russell, Shawyer	3.00 to 12.00	4.00 to 5.00	1.00 to 8.00
Carnations, Fancy	1.00 to 1.50	2.00 to 3.00	...
" " Ordinary	.50 to .75	1.00 to 1.50	1.00 to 1.50
Cattleyas	30.00 to 40.00	40.00 to 50.00	50.00 to 60.00
Lilies, Longiflorum	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Asters	.25 to .75	1.00 to 4.00	.50 to 2.00
Gladioli	2.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Corn Flower	...	...	.20 to .35
Chrysanthemums	...	...	10.00 to 15.00
Dahlias	...	...	1.00 to 2.00
Sweet Peas	.50 to .75	...	.35 to .75
Gardenias	...	...	...
Adiantum	75 to 1.00	1.00 to 1.25	.75 to 1.00
Smilax	12.00 to 15.00	10.00 to 12.50	15.00 to 20.00
Asparagus Plumosus, Strings (100)	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00
" " & Spreng. (100 Bchs.)	10.00 to 35.00	15.00 to 25.00	25.00 to 50.00

offerings and as far as aggregate total sales are concerned form the largest part of the week's business. They are, however, offered in such large quantities that it is impossible to realize a fair price for them while many go to waste.

NEW YORK Seasonal changes are noted in the stock offered in the wholesale markets and the window decorations of the stores. A hint that Autumn is not far away is seen in the display here and there of excellent blooms of Golden Glow chrysanthemums. Dahlias in abundance are now procurable if anybody wanted them. Gladioli are still in very heavy receipt but they will gradually recede

from now on. Asters are in varying quality, some of them being unprecedentedly fine. Roses are coming in heavily, some better than others, but, as a rule, showing up well considering the time of year. Carnations are not yet in much evidence, but those that are received are of fair quality. All the foregoing are in excess of demand which is the lightest ever experienced in this market. Lily of the valley is the one scarce article. There is a lively call for all that comes in and at very firm prices. No more cheap lily of the valley is likely to encumber the trade for some time to come. The stock of pips in storage will, no doubt, be carefully

Continued on page 370

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	ROSES AND CARNATIONS		Last Half of Week ending Aug. 29 1914		First Half of Week beginning Aug. 31 1914	
American Beauty, Special		10.00	to 25.00	10.00	to 25.00
" " Fancy and Extra		5.00	to 10.00	5.00	to 10.00
" " No. 1		1.00	to 5.00	1.00	to 5.00
Killarney, Richmond, Extra50	to 3.00	.50	to 3.00
" " Ordinary25	to .50	.25	to .50
Hillingdon, Ward, Sunburst, Extra50	to 4.00	.50	to 4.00
" " Ordinary25	to .50	.25	to .50
Maryland, Taft, Extra50	to 4.00	.50	to 4.00
" " Ordinary25	to .50	.25	to .50
Russell, Shawyer50	to 4.00	.50	to 4.00
Carnations, Fancy Grade	to .....	.....	to
" " Ordinary25	to .50	.25	to .50

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG**Wholesale Florist**

55 and 57 W. 26th Street, - - NEW YORK

Telephone 7062 Madison

BADGLEY, RIEDEL & MEYER, Inc.**WHOLESALE FLORISTS, 34 West 28th St., New York**

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OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE

106 WEST 28TH ST., NEW YORK.

Opens 6 A. M. daily.

Telephone, 167 and 4468 Mad. Sq.



Flower Market Reports

(Continued from page 370)

hoarded and made to go as far as possible. After January will come the pinch unless all signs fail. Of orchids there are not many but still enough to go around. A few very inferior gardenias are seen.

PHILADELPHIA There is little of interest to report on the flower market conditions here this week. Trade is very quiet indeed all along the line. Roses are very plentiful—more coming in this year than ever before. Last week-end it was impossible to clean up the surplus at any price. This does not apply to any one variety. The late flowering asters are now arriving and these are of much superior quality. It is a pity conditions are so unfavorable for them. Gladioli are not so plentiful—the flush of the crop being over. Lily of the valley is selling a little better. Orchids normal. Lilies are plentiful, but not so redundant as they were.

ST. LOUIS The market has not improved and the general opinion is that it will be the latter part of this month before any signs of returning life may be looked for. Last week we had the much-needed rain and cool weather which did a lot of good to outdoor flowers and an abundance of this is expected this week to help crowd up the market. Roses are selling cheap in the top grades and in the ordinary ones can't be given away. Same may be said of asters, tuberose stalks and gladioli.

CHICAGO NOTES.

Tim Waters' loss of his purse and return railway ticket from Boston was surely a matter of regret, but his friends can sympathize with him, for most of them found their pockets quite as empty before they reached home. Notwithstanding, all pronounce the convention a great success.

A letter from A. Henderson says that he expects to sail from Liverpool, Eng., on the Calgarian, Aug. 28th, and that he will be glad to be back again. He sailed from New York just as the war broke and has had his troubles, but accomplished the main object of his trip, a visit to his old father in Scotland. Leaving Rotterdam where he landed, he went with one of the Holland salesmen who visit Chicago, for a trip to Boskoop and they were both arrested as spies. Mr. Henderson was allowed to go free but his companion was pressed into service. Mr. Henderson has never taken full citizenship so he is fortunate in not having met more serious trouble. Four carloads of French bulbs have arrived at the Henderson store.

A very meagre report of the safety of E. F. Kurowski, president of the John C. Moninger Co., and Mrs. Kurowski, at Hotel Frederick, Berlin, has been received by their son, R. E. Kurowski, but he feels confident that his parents will arrive home in a few weeks. R. E. Kurowski says that his father is an American citizen and also exempt by age from war service, but some concern is felt for a sister living at Coblenz.

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New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

Discount on large orders

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For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

Tel. Office, New Salem, Mass.
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Bronze and Green Galax, \$1.00 per 1000;
S. 9 per case of 10,000.

Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c, or by the yard
Branch Laurel, 35c, for a large bundle
Southern Smilax, 50-lb. cases, \$5.00
Green and Bronze Leucothoe Sprays, \$3.50
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Pine Boxwood, \$7.50 per 50-lb. case.
Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Aug. 29 1914		First Half of Week beginning Aug. 31 1914	
Cattleyas	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum	1.00	to 3.00	1.00	to 3.00
" " Rubrum	2.00	to 3.00	2.00	to 3.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00
Asters.....	.50	to 1.00	.50	to 1.00
Gladioli.....	.25	to .50	.25	to .50
Corn Flower.....	.....	.....	.....	.....
Chrysanthemums	10.00	to 12.00	10.00	to 12.00
Dahlia.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	.....	.....	.....	.....
Gardenias	3.00	to 12.00	3.00	to 12.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	25.00	to 35.00	25.00	to 35.00
" " & Spreng. (100 bunches)	15.00	to 20.00	15.00	to 20.00

N. J. Rupp expressed himself as very much pleased with the Boston convention and its business opportunities. The various representatives of the J. C. Moninger Co. all think the outlook for greenhouse building will be brighter rather than otherwise, on account of the war. They reason, that more flowers will be grown, if less substitutes are imported.

The Lake County Fair and Horticultural Show opened Sept. 1st at Libertyville, Ill. As a trade enterprise the floral exhibitions are of little value, the flowers and plants being from the home gardens; but as a promotor of the love of flowers and the desire to grow them successfully, it is well worth while. Mrs. Ida Latshaw, formerly with the now disrupted Meredith Vegetable and Floral Co., of Libertyville, was one of the judges.

The opening of the Marshall Field floral department is an event which will make a change more or less marked in the Chicago retail market. Various conjectures have been rife for the past two years and whether all the forebodings of the retailers are to be realized or not, the truth remains that some must sell less flowers than heretofore. John F. Mangel, already one of the big downtown retailers, will be their buyer as well as operate the flower booth at the entrance to the store. The new department is on the third floor near the parlors, where thousands of their patrons rest and visit daily, and will be equipped to handle an immense amount of business.

Phil. Klingsporn made his first visit to his home city, Philadelphia, since he came to Chicago to become manager of the Chicago Flower Growers Association, a year ago. Following the convention he spent a week in meeting old friends but admits that he is now

thoroughly in love with the West, meaning Chicago.

Several florists here have brothers or other relatives participating in the European war.

PERSONAL.

Mr. and Mrs. C. L. Washburn returned to Chicago from California on August 28.

Prof. C. S. Sargent of the Arnold Arboretum arrived home from Europe on Sunday, Aug. 30, and looks at least ten years younger than he did when going away.

Alfred E. T. Rogers, who has been employed on the estate of the late Ex-Governor Draper at Hopedale, Mass., under A. J. Newell, has accepted the position of superintendent of Judge Moore's place at Pride's Crossing, Mass.

Among the Americans still stranded in Europe are L. T. Carrillo and Mrs. Carrillo, of Mamaroneck, New York. Also our Canadian friend S. S. Bain and his wife, of Montreal. The latter are in London now, having lost all their belongings in their escape from the continent.

The annual sale of stalls at Boston Co-operative Flower Market takes place on Saturday, Sept. 5, at 9.30 A. M.

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use.

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Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus, strong seedlings, 75c. per 100. E. A. WALLIS & CO., Berlin, N. J.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Palmesville, O.
For page see List of Advertisers.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Palmesville, O.
For page see List of Advertisers.

Begonia Gloire de Chateaubault, finest pink, rooted cuttings, \$1.25 per 100. E. A. WALLIS & CO., Berlin, N. J.

BEGONIAS Lorraine, Cincinnati and Florence Davenport, 2½ in. pots. Delivery from May 15th. JULIUS ROEHRS CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

De Ruyter & Hogewoning, New York.
Bulbs from Holland.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CANES

Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

FIELD GROWN CARNATIONS.

850 Pink Delight; 500 White Wonder; 1000 Windsor; 500 Beacon; 300 Benora. Will sell the lot reasonable. Write or telephone JOHN T. HOWELL, 139 Summer St., Watertown, Mass. Telephone connection.

CARNATION STAPLE

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 2000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CHRISTMAS PEPPERS

Christmas Peppers Birdseye, extra fine stock plants in bloom, 2½ in., \$2.50 per 100; 4 in. in fruit, \$6.00 per 100. CARL-MAN RIBSAM, 31 Wall St., Trenton, N. J.

CYBOTIUMS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

Cyclamen, best German strain, in fine assorted colors; good stock out of 2½ in. pots at \$5.00 per 100. J. H. FIESSER, North Bergen, N. J.

Cyclamen from 3½ in. pots, \$15.00 per 100; 4 in., \$25.00 per 100; 5 in., \$50.00 per 100. Finest strain, separate colors. JULIUS ROEHRS CO., Rutherford, N. J.

CYPERUS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechslein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoonut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

For List of Advertisers See Page 351

FERTILIZERS—Continued.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FORCING FRAMES

Geo. N. Barrie, Brookline, Mass.
Glass and Wooden.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Geraniums, La Favorite, Perkins, Jean Oberle, Ricard, Landry, Col. Thomas, Dagata, Vlaud, \$2.00 per 100, \$18.50 per 1000. Clair Frenot, Luigi Grandi, Mrs. E. G. Hill, Poitevine, Mrs. Annie Vincent, \$2.50 per 100, \$20.00 per 1000. Ruby \$4.00 per 100. S. A. Nutt at the special price of \$1.75 per 100, \$16.00 per 1000. The above is all fine stock in two inch pots. Write for Catalogue, F. H. DEWITT & COMPANY, Wooster, Ohio.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parselsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
Stearns Cypress.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GREENHOUSE LIGHTING PLANTS

Country Engineering Co., New York City
For page see List of Advertisers.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.
For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L. MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parselsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IRIS**THE IRIS! THE IRIS!**

200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per root. Some of the finest on earth. Send 10 cents for Iris manual. C. S. HARRISON SELECT NURSERY, York, Nebr.

JERUSALEM CHERRIES

Jerusalem Cherry, out of 2 1/4 in. pots at \$3.00 per 100. J. H. FIESSER, North Bergen, N. J.

Jerusalem Cherries, fine strong and bushy plants ready for a 4 in. shift. Fra Diavola (new) and Capsicastrum, 2 1/4 in., \$2.50 per 100; \$22.00 per 1000; 4 in., extra fine, \$6.00 per 100. CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Palmyra, Ohio.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

NATIONAL NURSEBYMAN
National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"
Kentucky Tobacco Product Co., Louis-
ville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEN
Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA
Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK
P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Isaac Hicks & Son, Westerly, L. I., N. Y.
Guaranteed Nursery Stock.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.
For page see List of Advertisers.

ONION SETS
Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS
Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS
Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists,
Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.
For page see List of Advertisers.

PALMS, ETC.
A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.
For page see List of Advertisers.

PANSY SEED
A. T. Boddington, New York City
Gigantic Pansy Seed.

PEONIES.
T. C. Thurlow's Sons, Inc., West Newbury,
Mass.
Gold Medal Peonies.
For page see List of Advertisers.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies—The best French collections.
Catalogues free. DESSERT, Peony Special-
ist, Chenonceaux, France.

Peonies: Marie Lemoine and other fine
varieties. Write for list. THOMAS J.
OBERLIN, Sinking Spring, Pa.

PECKY CYPRESS BENCHES
A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHOENIX
Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHR'S CO., Rutherford, N. J.

PIPE AND FITTINGS
Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS
Chas. Schwake & Co., New York City
For page see List of Advertisers.
August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES
Seele's Tieless Plant Stakes and Trell-
ises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS
H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

RHODODENDRONS
P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS
S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES
Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.
For page see List of Advertisers.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Mitchell's Seed House, Philadelphia, Pa.
Colossal Mignonette.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Mignonette Seed.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford,
Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

August Rolker & Sons, New York City.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

Charles J. Jager Co., Boston, Mass.
Sprinkling, Irrigation and Water Supply
Outfits.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and
orchid basket always on hand. LAGER
& HURRELL, Summit, N. J.

For List of Advertisers See Page 351

STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

C. C. Morse & Co., San Francisco, Cal.
New Sweet Pea Margaret Atlee.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphime Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

Wholesale Florists (Continued)

New York—Continued

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**ANNUAL CONVENTION.**

Trade Press Association, E. B. Shaw,
Chicago, Ill.
For page see List of Advertisers.

BULBS.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

CANES

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

CHRISTMAS-FLOWERING SWEET PEAS.

Arthur T. Boddington, New York City.
For page see List of Advertisers.

DREER'S ARAUCARIAS.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

EVERGREENS AND DECIDUOUS TREES.

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

HOT HOUSE GRAPES.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

ROSE MRS. CHARLES RUSSELL.
S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—Section man on Roses. Apply to **PEIRCE BROTHERS**, Waltham, Mass.

SITUATIONS WANTED

SITUATION WANTED on private place by first class grower of Roses, Carnations, Mums, Gardenias and general line of cut-flower and flowering plants including Stovehouse plants. Single, 30 years of age and good habits. State particulars in first letter. E. S. R. Address, care HORTICULTURE.

SITUATION WANTED—By Englishman, age 28, first class references. Fruit and vegetables under glass, bedding and general greenhouse stock and all branches of outdoor work. B. C., care HORTICULTURE.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Have-meyer St., Brooklyn, N. Y.

FOR RENT

FOR RENT—Greenhouse range, six houses about 10,000 sq. ft. of glass, with store and sheds attached, in very favorable retail location. Write for particulars, giving references as to financial responsibility, character, etc. **CURRIE BROS. CO.**, Milwaukee, Wis.

**Buy Your
Fall Stock
from
Horticulture's
Advertisers
The Benefit
will be
Mutual
Buy Now
and escape
War Prices**

In writing to Advertisers kindly mention Horticulture

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING-VAPORIZING-FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN 30 Per Cent Strength **For Spraying**

APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

POISON KIL - WORM POISON

Destroys Worms, Ants, etc., infesting Golf, Cricket Grounds, Parks and Lawns. Sure death to Snails. Does not injure Grass; causes the insects to come to the surface to die. (Must not come in contact with fine plants.)

One gallon Kil-Worm makes 50 gallons liquid when mixed with water.
1 qt., \$1.00; ½ gal., \$1.75; 1 gal., \$3.00; 5 gals., \$13.50.

POISON KIL - WEED POISON

A scientific Weed Destroyer—free from odor. An unsurpassed preparation for the removal of Grass, Weeds, Vines and Bushes from paths, etc. Saves expense of several men; can be applied with an ordinary sprinkling can.

One gallon Kil-Weed makes 30 to 35 gallons liquid when mixed with water.
1 qt., 35c.; ½ gal., 60c.; 1 gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; 1 barrel, per gal., 65c.

LEMON OIL COMPANY, Dept. E

420 W. Lexington St., Baltimore, Md.

Directions on every pkg.; write for circular.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.
30-32 Barclay Street, NEW YORK

FERTILENE

The Ideal Plant Food.

Unequalled for Producing Lusty Chrysanthemums
Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**

When writing to advertisers kindly mention HORTICULTURE.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago



IMP.

SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

AETNA BRAND TANKAGE FERTILIZER

Is the best balanced fertilizer manufactured. It contains the ten salts constituting soil. Our eight-year-old Compost is giving satisfactory results wherever used.

WE SELL MANURES IN CAR LOTS.

FARMERS AND FLORISTS FERTILIZER CO.

809 Exchange Ave., Room 5.

Tel. Drovers 1932

U. S. YARDS, CHICAGO, ILL.

AGRICULTURAL EXPERIMENT STATIONS

are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

"40% NICOTINE"

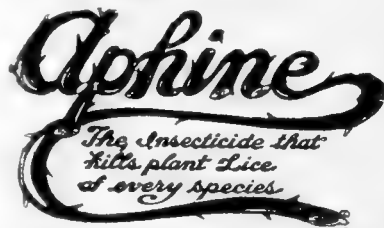
\$13.00 Gallon—\$3.75 Quart—\$2.00 Pint

Compare these prices with what you now pay.

NIKOTIANA

A 12% Nicotine solution properly diluted for vaporizing and fumigating.

\$4.50 Gallon—\$1.50 Quart.



The Recognized Standard Insecticide For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$2.50 Gallon—\$1.00 Quart.

FUNCINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

\$2.00 Gallon—75c. Quart.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$3.00 Gallon—\$1.00 Quart.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

\$1.50 Gallon—75c. Quart.

If you cannot obtain our products from your local dealer, send us your order with remittance and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals
MADISON, N. J.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

Obituary

Mrs. J. M. Keller.

Mrs. J. M. Keller, wife of J. M. Keller, one of the pioneer florists of Brooklyn, N. Y., died August 21st, at Elka Park, Catskill Mountains. Funeral services were held August 24th in Brooklyn, at the home of her son-in-law, M. Jordan, 65th street.

Mrs. John F. Ward.

Word was received at Shelburne Falls, Mass., a few days ago of the death by drowning of Mrs. John F. Ward at Farmington, Ct. Mr. Ward was a florist at the original Fife greenhouses and left Shelburne Falls last spring. Much sympathy is felt for Mr. Ward and his young son among their many friends in Shelburne Falls in their affliction by the untimely death of the wife and mother.

P. R. Quinlan.

P. R. Quinlan, for many years the leading florist of Syracuse, N. Y., and a prosperous business man in other enterprises, died at his home on August 27, at the age of 68 years, after an illness of several weeks. Mr. Quinlan was born in Ireland and came here with his parents when 11 years of age. He was first connected with the William Brown Smith nursery and in 1878 bought half an interest in the business. In 1892 he became proprietor of the florist business of Smiths & Powell, and moved the greenhouses to Onondaga Valley. In late years most of his time has been devoted to the asphalt business. He leaves a widow and two married daughters.

PHILADELPHIA NOTES.

William Kleinheinz has at last been heard from. He has got out of Germany and sails from Rotterdam, Sept. 5th.

The market gardeners will hold a convention in Horticultural Hall early in October. This is a national society and promises to be well attended. The affair will last one week.

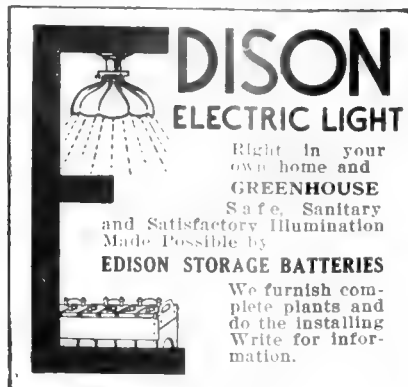
Two pilgrims about whom we have been anxious returned on the 30th: Edward Reid, wholesale florist, and Gus Doemling, rose grower of Lansdowne. Both gentlemen had remarkable experiences in Europe, from all accounts. Your correspondent has not been able to greet them personally at this writing. We may have something more to say later.

Extract from personal letter received September 1st showing that our trade is not the only one that is feeling the pinch of the present cataclysm:

"Everything and everybody seems absorbed by the present war conditions. Undoubtedly people are beginning to feel the pinch of unemployment. This is particularly prevalent amongst longshoremen, few cargos of any size coming west at present and a threatened lessening of East bound cargos also. The book-making industry is in a state of collapse, both in Boston and New York. Only a very limited number of books are being published, but it is hoped that the fall will improve matters a bit."

Visitors—Ferrari Bros., San Francisco, Cal.; H. Plath, San Francisco; D. MacRorie, San Francisco; Henry S. Pennock, Jupiter, Fla.; Harry Papworth New Orleans, La.; W. R. Cobb,

LIGHTING PLANTS TO ILLUMINE YOUR GREENHOUSE



WATER SUPPLY SYSTEMS

SEWAGE DISPOSAL

COUNTRY ENGINEERING CO.

Taylor Building
39 Cortland St., New York

Craftsman Building
6 East 39th St., New York

TWO BOSTON CONVENTION EXHIBITS.

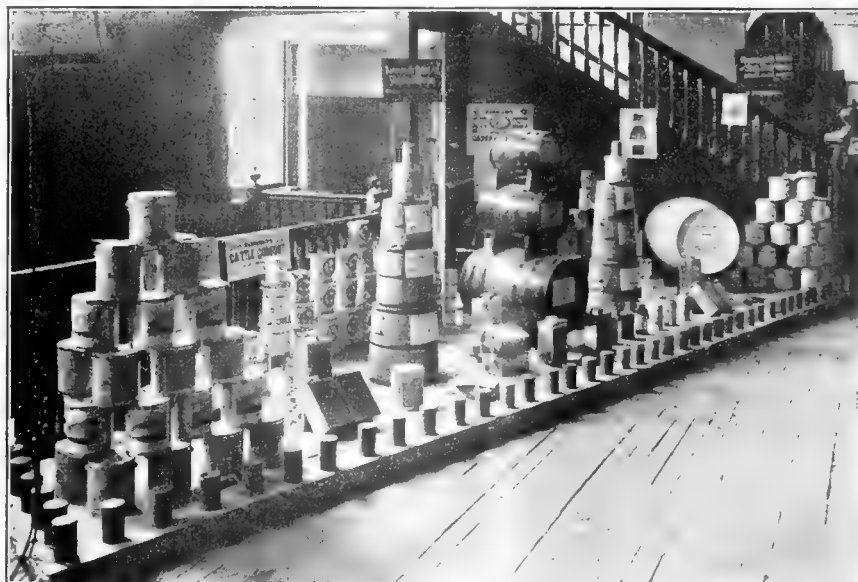


EXHIBIT OF BENJ. HAMMOND

The accompanying picture is an excellent view of Benjamin Hammond's display of his various insecticides, greenhouse paints and putty and other specialties, at the S. A. F. Trade Exhibition in Boston.

Speaking of the trade exhibits, J. C. Meyer of Lowell Thread Mills, the

manufacturer of silkline, tells us that he got some good business at the Convention. It is only required that silkline be shown alongside the common green thread used by many to demonstrate its great superiority for stringing asparagus and other purposes, where strength and unfading color are essential.

sales manager Lord & Burnham Co., New York City; Victor Groshens, Hillside, Pa.; Charles H. Uttley and wife,

Harrisburg, Pa. (on way home from four-months' European trip, via Boston).

More Red Devil Cutters Used Annually Than All Others Combined



"It's all in the wheel."

SMITH & HEMENWAY CO., 161 CHAMBERS ST., NEW YORK

Send 6c. for sample No. 824 and Booklet 40 styles, and understand why.
SEND FOR BOOKLET ANYHOW.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts

AND RED EARTHENWARE SPECIALTIES

A. H. HEWS & CO., Inc., Cambridge, Mass.Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

TWO NEW LAWS IN GEORGIA. Garnishment Law.

Section 5298 of Vol. 1 of the Code of 1910, amended to read.

All persons shall be exempt from the process and liabilities of garnishment on one dollar and twenty-five cents per day of their daily, weekly or monthly wages, and on fifty per cent. of the excess thereof, whether in the hands of their employers or others. All wages above the exemption herein provided for shall be subject to garnishment, and garnishee in making answer shall state specifically when the wages therein referred to were earned by defendant, and whether same were earned as daily, weekly or monthly wages.

Fraudulent Check Law.

To be entitled an Act declaring it a misdemeanor to draw and utter any check, draft, or order where the drawer has not at the time sufficient funds to meet the same, provided such drawer does not deposit with the drawee sufficient funds to meet the same within thirty days, providing punishment therefor, and for other purposes.

Section 1. Be it enacted by the General Assembly of Georgia, and it is hereby enacted by authority of the same, That from and after the passage of this Act, any person who shall draw and utter any check, draft, or order upon a bank, person, firm, or corporation with which such drawee has not at the time sufficient funds to meet such check, draft or order, and shall thereby obtain from another money or other thing of value, or induce such person to postpone any remedy he may have against such drawer, shall be guilty of a misdemeanor and upon conviction shall be punished as prescribed in Section 1065 of the Code.

Provided, That if such drawer shall deposit with such drawee of such paper, within thirty days thereafter, funds sufficient to meet such check, draft, or order, together with interest which may have accrued there shall be no prosecution under the provision of this Act.

The foregoing new laws have been passed by the Legislature and signed by the Governor of Georgia. Business men who have had experience in trying to collect from slippery parties in that State and some other States where laws have been lax or as in some instances plainly framed to shield the debtor, will hail with satisfaction the enactments above quoted. The overdrawn check pest is common to most localities and a reasonable curb on his operations is timely.

FOLEY

Builds Good Greenhouses
TRY HIM.
THE FOLEY GREENHOUSE MFG. CO.
3275 West 31st Street
CHICAGO, ILL.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Sullivan, Ind.—Harry Richmond, one house.

Summit Hill, Pa.—W. D. Keller, enlarging.

E. Marshfield, Mass.—W. A. Staples, one house.

Spring Valley, N. Y.—A. S. Burns, Jr., five houses.

East Dover, N. J.—Lackawanna Railroad, one house.

Clark's Green, Pa.—Walter Matthews, one house.

West Newton, Mass.—H. M. Howard, house 40x180.

Mendenhall, Pa.—J. E. Wade, vegetable house 20x100.

Williamstown, W. Va.—Philander Gabbart, one house.

Louisiana, Mo.—Elmwood Floral Co., range of houses.

Luzerne, Pa.—S. P. Smith, 28 Linden street, one house.

St. Louis, Mo.—F. C. Weber, 4328 Olive street, additions.

Bridgeport, Conn.—Mr. Tubbs, vegetable house, 75 ft. long.

Somerset, Mass.—J. & C. Cross, Center street, house 20x50.

Providence, R. I.—Miltonia Conservatories, six houses each 50x200.

New Bedford, Mass.—James F. Smith, 196 Hawthorn St., house 22x60.

St. Mary's, O.—H. J. Vanderhorst & Son, South Webb street, one house.

Philadelphia, Pa.—Samuel D. Milner, Franklin Ave., additions and alterations.

Los Angeles, Cal.—Mrs. J. Milbank, 1214 South Von Noss avenue, one house.

Lincoln, Neb.—Yule's Landscape Nursery, 145 N. 23d street, house 25x100.

The florists of Danville, Ill., held their first annual picnic at Barlow Park, near Alvin, on August 20. All the florists stores and greenhouses were closed for the day and a most enjoyable time was had, the attendance numbering more than one hundred.

Skinner Irrigation System

For Farm, Garden and Lawn

**BARRIE GLASS FORCING
FRAMES****WOODEN MELON FRAMES****GEO. N. BARRIE****BROOKLINE, - - MASS.**

Telephone Connection.

KINGThe name that assures "the
most for the money" in**GREENHOUSES**Write for Bulletin No. 47
and you will see why.**KING CONSTRUCTION CO.**

28King's Road, N. Tonawanda, N. Y.

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price

per crate:			per box:		
2000	1½ in.	@ \$6.00	500	4 in.	@ \$4.50
1500	2 "	" 4.88	450	4½ "	" 5.24
1500	2½ "	" 5.25	320	5 "	" 4.51
1500	2¾ "	" 6.00	210	5½ "	" 3.78
1000	3 "	" 5.00	144	6 "	" 3.16
800	3½ "	" 5.80	120	7 "	" 4.20
			60	8 "	" 3.00

HILFINGER BROS. Pottery, Fort Edward, N. Y.

August Rolker & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and Trade Export



The best **PAPER
POT** for shipping
purposes. Sizes from
2 in. to 6 in.

Ask your dealer for
them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

**THE FLORISTS' HALL ASSOCIATION OF
AMERICA**, insurer of 39,000,000 sq. ft. of glass
For particulars address
John G. Esler, Sec'y Saddle River, N. J.



BUY DIRECT
FACTORY TO USER PRICES



ORDER
NOW

KROESCHELL BROS. CO., 466 WEST ERIE STREET
CHICAGO, ILL.

Stearns Cypress Greenhouses

Pecky Cypress Bench Stock

ASK FOR CIRCULAR D

THE A. T. STEARNS LUMBER COMPANY

BOSTON, MASS.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.



"It means Money to your pocket to let us quote you on Ventilating apparatus and Greenhouse fittings. Send for catalogue today."

ADVANCE CO.
Richmond, - Ind.



Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building

Washington, D. C.

IF YOU ONLY

KNEW what a

good save the

METROPOLITAN

PATENT-

ED is, you would

use no other. It

is made of cast

iron and will not

rust. That part

of your green-

house which in

other construc-

tions is the weak-

est becomes the

strongest. Not

this alone, it is

ice-clearing and

carries all the

water of con-

densation from the inside, and it is so

constructed that almost the entire end

of the bar is exposed to the air, there-

by preventing decay. Only one screw,

about two inches from the end, is all

that is necessary to secure the bars.

For side stationary glass, wood headers

are absolutely unnecessary, thereby

causing no shade. Zinc glass stops are

not necessary—the glass is made with

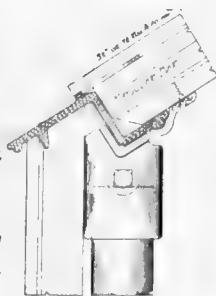
a lug to prevent the glass from slip-

ping. Let your next house be built

with a Metropolitan Patented Iron Wall

Construction. You will never regret it.

Our price and service are right.



METROPOLITAN MATERIAL CO.

Patented Greenhouses—Heating Engineers
Hotbed Sash, Glass, etc.

1392-1414 Metropolitan Ave., BROOKLYN, N. Y.

**Dror's Peerless
Glazing Points**

For Greenhouses

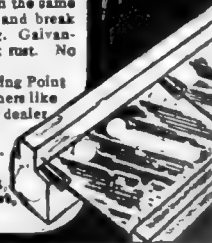
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Sample free.

HERVEY A. DROR
716 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2



Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

QUAKER CITY MACHINE CO.,
Richmond, Ind.

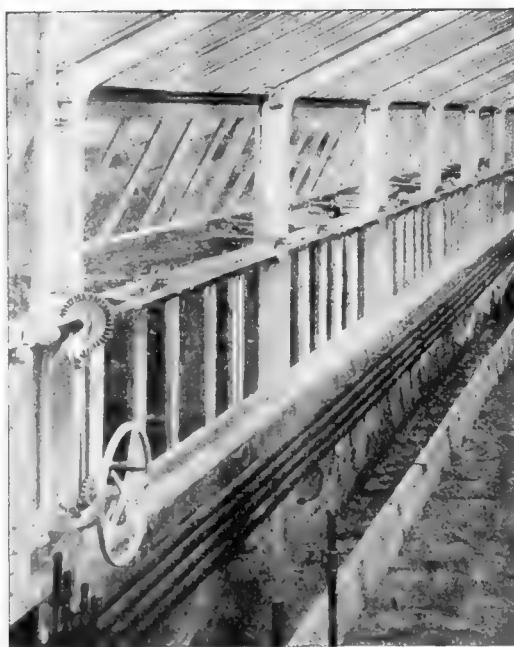


Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

In writing to Advertisers kindly mention Horticulture



We equip our ridge ventilating apparatus with a Tell-Tale device that indicates at any turn of the hand wheel the exact opening in inches of your sash.



In N. F. McCarthy's big house at Montrose, Mass., the entire run of 250 feet of side sash is operated by our traveling shaft apparatus with only the one gear placed at the extreme end.

When It Comes To Ventilation Come To Hitchings

CONSIDERING the great importance of an easy working, effective ventilating apparatus, it has long been a great reflection on greenhouse concerns that some form of apparatus has not been evolved, that would do the work more satisfactorily.

The main trouble seems to have been that each concern was endeavoring to make its own type of apparatus meet all kinds of problems. One that is entirely satisfactory on short or medium length runs is often a profanity provoker on long runs.

Every one of our salesmen is instructed not to advise runs of ridge sash longer than 50 or 60 feet, when operated from the end by the one revolving shaft gear. Beyond that length you have not only shifting of the shaft to contend with, but the friction in the bearers, which is no small item.

You and I can put our shoulders against a load and push it along, which we could not possibly lift.

This being so, why not apply the same principle to a vent apparatus? The revolving shaft apparatus has to lift the dead weight. So we developed one that moved back and forth instead of turning around. It takes advantage of the push and pull principle instead of the dead load lift.

As a result, we have an apparatus that will operate runs in lengths up to 250 feet or more of side sash and do it with perfect ease. No matter whether the gear is placed at the extreme end or the middle of the run.

We believe you will find that Hitchings have the right answer to a lot of ventilation troubles. One thing sure, if we say our apparatus will do a certain thing a certain way, it will do it, or it doesn't cost you a cent; which only gets right back to the point that you can depend on depending on Hitchings. And remember "we go anywhere for business. Or to talk business."

Hitchings and Company

NEW YORK
1170 Broadway

BOSTON
49 Federal Street

PHILADELPHIA
40 S. 15th Street

General Offices and Factory: Elizabeth, N. J.

Vol. XX
No. 11
SEPT. 12
1914

HORTICULTURE



Floral Show Room in New F. R. Pierson Building, Tarrytown, N. Y.

C. C. MORSE & CO.

San Francisco, Cal.

NEW SWEET PEA

MARGARET ATLEE

THE SPENCER SUPREME

The largest and finest Sweet Pea yet introduced.

First Prize American Sweet Pea Society.
Silver Medal, National Sweet Pea Society
of Great Britain, London, July, 1914.



MARGARET ATLEE

Life Size as Grown by Ordinary Culture

MARGARET ATLEE is a rosy-salmon pink on a creamy buff ground; a rich, soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy and inclined to double under favorable conditions. The wings are equally large, wavy and well set. It runs almost uniformly four blossoms to the stem; well poised and graceful. In all respects, it is the grandest Sweet Pea we have ever grown, either from foreign introductions or American varieties.

MARGARET ATLEE has finally yielded us sufficient seed to warrant our adopting a unique method of exploiting it. We are confident that America does not half appreciate real SPENCER SWEET PEAS, and we propose to use **MARGARET ATLEE** as a missionary in the hope that it will invade every home garden where Sweet Peas can be grown.

MARGARET ATLEE was introduced in 1912, but a short crop that year and the year following prevented our offering it to the Trade, and it has not yet appeared in our Contract Lists.

Messrs. Lowe & Shawyer, the largest flower growers in Great Britain, simply insisted on having some of it last season and we let them have a pound out of our planting stock, to be used for growing cut flowers for the Covent Garden Market. They had a packet of it the year previous and considered it the very finest thing they had ever seen in Sweet Peas. With them it is a leader as a florist flower.

Ever so many people who have seen bouquets of Margaret Atlee have exclaimed, "Are those really Sweet Peas?"

Under ordinary culture they are delicate and refined to a degree. Under special culture for exhibition flowers they produce unusually large thick petals and enormous stems and leaves. It is not uncommon to see stems 22 inches long, $\frac{1}{4}$ inch thick and leaves $5\frac{1}{2}$ inches across.

MARGARET ATLEE will be put up in inside white packets, $2 \times 3\frac{1}{2}$ inches, simply printed thus:

SWEET PEA

MARGARET ATLEE

There will also be an outside packet in salmon pink, $2\frac{7}{8} \times 4\frac{1}{2}$ inches, printed thus:

40 Seeds

SWEET PEA

25 Cents

MARGARET ATLEE

New Giant Flowered Spencer.

Rich rosy salmon-pink on creamy buff. Immense wavy standard, inclined to double. Large wavy wings.

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NOTE—The name was chosen as an appreciation to Mr. Burpee,—Mrs. Margaret Atlee being his aunt.

We are issuing a circular offering several other Sweet Pea Novelties and will mail it to the Trade in a few days.

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lege Point, L.I., N.Y.

When Writing to Advertisers Kindly Mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be promptly received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the editor of HORTICULTURE.

Chrysanthemums

Conditions are very different from what they were a month ago, when plants would dry in a few minutes after they had been sprayed. Now we have cooler weather and less evaporation. As the days grow cooler, less spraying is necessary, and one good syringing on bright days is sufficient. After the bud is taken and the stem is thickening, the latter should begin to "bark up" at the base, and get away from the green, soft appearance that characterizes the plants during their summer growth. If your plants are very soft and gross, less water both at the root and in the atmosphere is the quickest way to harden them up. Blackfly and greenfly will be quite troublesome so keep them in check by a systematic spraying with some insecticide or fumigation once a week.

Planting Peonies

There is no better time than from now and up to the first of October for planting peonies. Good peonies may be grown in almost any soil that has an open sunny position, but above all other perennials they like a deeply dug and rich soil. The best way to prepare is to plow or dig deeply and mix plenty of well rotten manure, bone and wood ashes. Be sure to have the soil in a fine pulverized condition before you start to plant. They should be planted no closer than four feet apart each way and about four inches deep. Get good varieties as they do not cost one cent more to grow than poorer ones.

Prepare for Frost

Take in all palms and foliage plants in pots and tubs that have been standing around for decoration. See that greenhouses, frames and sash to be used for storing such material are thoroughly overhauled and put in order. There are some sections where it may not be cold enough for a month yet to harm anything; still, even there prevention is better than cure, and all plants of doubtful hardiness should be placed where they can be speedily put under cover when necessary. A little frost will not damage genistas, azaleas, ericas, acacias, camellias and others of the hard-wooded section, but bouvardias, heliotropes and scented geraniums go almost as quickly as alternantheras, or coleus. Frames that are holding such stock as cinerarias, calceolarias, cyclamen,

primulas, etc., should have their sashes in readiness now for immediate service. Frost may be expected at any time now, so prepare by lifting all stock of a tender nature from the field rows and have them potted or boxed up.

Planting a Perennial Border

Where a florist is near a large city he should endeavor to make a show border. First of all make a drawing of the proposed border, giving each plant its proper position on the drawing. Mingle the colors so as to harmonize, and select such a variety of plants as will provide an equal amount of bloom continuously through the season. Do not plant too closely and for a background plant something in the evergreen line. These show borders are to stand for some years so the soil should be trenched deep and lots of well rotted barnyard manure mixed well in. See that every one is well firmed at the root. If the weather happens to be dry they can be watered occasionally to give them a start.

Orchids

In the cattleya house nearly all the plants will need quite a supply of water at the roots, but with the cooler nights and heavy dews the house should be kept less damp at night. Some fire heat from now on with ventilation will be advisable. Remove some of the shade now; it may make the foliage paler, but it is bound to make them more floriferous. Always allow the plants to dry out between waterings, as they must not be kept in a soaked condition all the time. Give liquid feeding to all that are making bulbs, but when the bulbs are well made up and the buds ready to show in the sheaths, feeding should be discontinued. See that they are kept clean of scale, etc. Keep the temperature from 55 to 58 degrees at night.

Genistas

These should be placed where they can have some protection during frosty nights. It is in keeping to have these plants as cool as possible without danger from frost. If protection cannot be given outside they should be placed in the coolest house and even during the winter the temperature should never be higher than 45 degrees at night.

Mr. Farrell's next notes will be on the following: Mignonette; Freesias; Liquid Lead; Chrysanthemums; Summer Flowering Bulbs; Violets; Salvia.

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

The Silvery Lavender Phlox

The accompanying photograph shows an interesting little phlox which was recently discovered among the sand dunes along Lake Michigan, and has since found its way into cultivation. It appears to be a distinct species and has been named *Phlox argillacea*. Until a few years ago, it was regarded as an albino form of some of the early phloxes. In general appearance it resembles *Phlox pilosa* but it is later, taller, more floriferous and the flowers are of a different color.

As it grows in the wild the flowers are of medium size but further cultivation may be expected to change this. In color they are pale lavender or white and when the plant is in bloom the whole upper parts are a mass of flowers. In the vicinity of Chicago the first flowers open a week before Decoration Day and the plant continues in full bloom for six weeks or more. Even after that there are some flowers to be found until frost.

The fact that the plant grows naturally in dry and sterile soil shows it to be practically ironclad, while the color of the flowers and its time of blooming, bridging as



PHLOX ARGILLACEA

it does the gap between spring and late summer species, makes it a very desirable addition to our list of perennial plants.

William H. Chute
Joliet, Ill.

Eleagnus longipes

It is to be deplored that this handsome shrub is not more commonly found in the plantings of the landscape architects. For foliage effect or grown as a bright-fruited shrub it is among the best we have. The oleaster, as it is commonly called, is a member of the family Eleagnaceae, which derives its name from the Greek, meaning Olive. Some of the members of this family are called the Tea-olive.

Eleagnus longipes is a shrub attaining six feet in height and of rather broad and spreading habit. The young stems are of a reddish brown and the leaves are covered on the upper surface with stellate hairs, which in spring render a silvery tinge to the foliage which is not at all displeasing. The under surface of the leaves is of a lighter green than the upper surface and is covered with scattered groups of brown hairs which give it an almost scurfy appearance. The flowers are axillary and almost solitary, yellowish-white, with tubes as long as the limb and are fragrant.

The fruits appear immediately after the flowers, in June and July, and are pendulous on slender stems much longer than the fruits themselves, which are oblong and about $\frac{3}{4}$ inch long. When young these fruits are covered with brown scales so that they also appear a bit scurfy. The flavor is slightly acid, but is found by some to be very agreeable. The birds also are fond of it. These fruits hang on the plant until late summer and if not picked off, fall naturally at that time.

The oleaster makes a very desirable shrub for general planting or for specimen work on the lawn, and can be grown in almost any well drained soil, even limestone. It prefers a sunny situation. There are several methods of propagation, the first of which is by seeds, which take two seasons to germinate and should be stratified the second spring and sown again. The second method, and the best and easiest, is by cuttings of the mature or half-ripened wood. Layering and root cuttings are sometimes used, but are not as quick or satisfactory.

Hubert H. Canning

SUBTROPICAL BED.

At Entrance to Perennial Gardens, Lincoln Park, Chicago.



This elegant group, consisting of *Ricinus*, *Alocasias*, *Caladiums*, *Cyperus*, *Cannas*, etc., bordered with *Funkias*, was planted in the bed of an abandoned fountain and made a very fine effect.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur C. Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Worms and Ants in Compost

In cutting down my compost pile, I notice that it is filled with young wire worms, white ants (possibly black ones just hatched out), and common earth worms. Please advise through your columns how I can rid the soil of these pests.

If you are going to use the soil for potting, or for some tender crop that would likely be damaged by the worms and other insects you mention, we would recommend using carbon bisulphide, making holes in the heap with a crowbar, about eight inches apart, and then pouring about a tablespoonful of the bisulphide into these holes and stopping them up at once with earth. The gas issuing from the liquid will work through the soil, and do away with the greater portion of the insects. This gas is very inflammable, and great care should be taken to keep all lights or fire away. "Vermine" advertised in another section of this paper will kill the worms and insects you mention, but the soil must be saturated with the solution as directed on the package. We as a rule seldom bother about the insects or worms unless they happen to be in great numbers, or else when we intend to use the soil for potting or some such purpose. If the soil contains only a limited amount of vermin we trust to our ability to get rid of this after the soil is in the benches. Of course where tender crops are grown this could not be worked so well, but with roses or carnations lime can be applied for the benefit of the plants, and this will kill all the worms, or at least reduce their number so that they will not be able to do harm. Ants always disappear as the season goes on, for they have no protection against water that is applied regularly to the benches. Wire worms are hard to kill, but these, too, will disappear, unless they are not the real wire worm but the brown gray centipede. We have had these in rose houses by the hundreds, but they never did any visible damage, possibly because they had plenty of manure to work in. If you are on a small place and could have the soil sterilized, it would be about the best way to clean out all the insects as well as germs. This would also kill all weed seeds, and leave the soil all clean. To explain the sterilizing: any air tight box or bin with steam pipes in it into which tiny holes have been drilled every foot or so. The soil is piled into this bin, and then the steam is turned on, subjecting the soil to a pressure of about 15 lbs., for at least fifteen minutes, after which it is ready for use as soon as it cools off.

Packing

No matter how low the prices are in the market, you will not gain anything at all by packing the cut roses

carelessly or in too much of a hurry. Use all the paper that is necessary to keep the roses comfortable and insure their carrying safely to the market. If it must be that two layers of roses are packed to the box, never pack anything over white roses. Put some pink or any other color in the bottom layer. The very slightest bruise will show on a white rose, while the colored ones will not show the bruise so much if at all. It is also advisable not to pack any roses over the better grades, for the slightest bruise on these will decrease the price, and the buyers will have a good excuse for not paying the full value for these.

Cutting

As the weather grows cooler, the buds can be allowed to remain on the plants a little longer, so that they will be of a little larger size. This will make them a better quality, and coax better prices. All blooms should be well graded, and all weak stuff or poor buds put into the seconds, regardless of the length of the stem. With Beauties we always cut two eyes above the bottom wire, unless it happens to be in the front row, where the plants get a little more sun. Then we sometimes cut the roses off two or three eyes above the surface of the soil. This of course must not be done where the plants are suffering from lack of wood. It would be ruinous to cut them down as low as that, to gain a few inches of stem, if the plants could not afford to lose the wood. A little judgment will tell where to cut and where not to cut.

Keeping the Plants Clean

Never allow the plants to become covered with dead leaves, for there is nothing more harmful. Leaves will get broken here and there when syringing or tying, and these should be picked off. Some leaves will naturally turn yellow, and if allowed to remain on the plants or on the benches will make excellent material for bugs and diseases to breed in. While the leaves are being picked keep an eye open for blackspot, and see that it is all picked off and destroyed along with the leaves.

The Walks in the Houses

Now that all the planting is done see that the walks are fixed up wherever they need it, and in the wide houses where all of the walks are earth or ashes, see that these are dry. A coat of sand will put them into nice shape, although it is rather hard on the hose, yet with care the wear on this will hardly be noticeable. We have seen walks in houses so slippery that they were real dangerous. Better keep the walks dry and safe to walk on.

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CONTENTS

Page

COVER ILLUSTRATION—Floral Show Room.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Chrysanthemums—Planting Peonies—Prepare for Frost—Planting a Perennial Border—Orchids—Genistas— <i>John J. M. Farrell</i>	385
THE SILVERY LAVENDER PHLOX— <i>Willard N. Clute</i> —Illustrated	386
ELEAGNUS LONGIPES— <i>Hubert M. Canning</i>	386
ROSE GROWING UNDER GLASS—Worms and Ants in Compost—Packing—Cutting—Keeping the Plants Clean—The Walks in the Houses— <i>Arthur C. Ruzicka</i>	387
THE BOSTON CONVENTION FROM A PHILADELPHIAN'S POINT OF VIEW— <i>Fred Hahman</i>	389
WHAT SHOULD THE S. A. F. DO FOR THE PRIVATE GARDENER— <i>Arthur E. Thatcher</i>	389
CLUBS AND SOCIETIES Pittsburgh Florists' and Gardeners' Club—Horticultural Society of New York—Club and Society Notes.....	392
SEED TRADE—New Interstate Seed Bill—Notes.....	394
OF INTEREST TO RETAIL FLORISTS:	
A New Departure—Floral Show Room—New Flower Stores	396
Flowers by Telegraph	397
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, New York, Philadelphia	401
St. Louis, Washington	403
DURING RECESS—Florists' Club of Washington—Kansas City Florists.....	399
OBITUARY— <i>Henry Escher</i>	399
SOCIETY OF AMERICAN FLORISTS—Annual Report of Entomologist	408
CHILDREN'S GARDENS EXHIBIT AT BOSTON.....	408
COMMERCIAL SURGERY FOR SICK TREES.....	410
MISCELLANEOUS:	
Sub Tropical Bed—Illustrated.....	386
Dasyllirion glaucophyllum—Illustrated	389
Trained Pear Tree—Illustrated.....	389
German Potash Supply.....	394
Patents Granted	394
Catalogues Received—Publication Received.....	394
New Corporations	394
Business Troubles	397
Personal	403
Visitors' Register—Washington Notes.....	403
Wreath of Asters and Roses—Illustration.....	398
Chicago Notes—Philadelphia Notes.....	398
News Notes	398
Knoxville Notes	399
Greenhouses Building or Contemplated.....	410

The wisest course

It may not be out of place here and now to warn our readers against any stray European bulb stock that may be dumped on the American market through one intermedium or another, on account of the hysterical conditions now existing abroad. Our advice is to let such stuff alone and stick by regular sources of supply wherever possible. American importing houses have done all that could be done to secure their usual quantity and customary quality of goods with which to supply the trade upon whom they depend and who, in turn, have been accustomed to depend upon them and, as a rule,

they have managed to get their stock all right. It is due to these enterprising houses that the trade should stand by them in these troublous times and turn a deaf ear to the blandishments of strangers who will never come again after this year.

Convention garden possibilities

Mr. Hahman's comments on the Boston Convention Garden in his remarks before the Florists' Club of Philadelphia, of which we give an abstract in this issue, are interesting especially in his suggestion of the possibilities in the general arrangement of such an undertaking. It is easy to see that the planning and planting of a garden such as Mr. Hahman advocates, with each exhibit placed so as to fit in as part of a general scheme and contributing to a well balanced whole as a garden picture would be quite a formidable undertaking, calling for methods and management quite distinct from anything heretofore attempted. It is far from being an impracticability, however, and we hope it will be seriously considered and discussed. If such a work is to be undertaken as a regular convention feature for each year, it may become necessary for the S. A. F. to decide upon its meeting place two years in advance. This will not be too much time in which to lay out grounds and get the required tree and shrub plantations in and established. We understand that at least two places are already in the running for the Convention of 1916. Assuming that either one of these cities were now settled upon for that year many preliminaries on the part of the Society and the local people could be taken up at once and next spring would see the greater part of the heavier planting completed. Until some such system is put in operation the Convention Garden must invariably fall far short of its possibilities.

To develop home industries

Correspondence and circulars received at this office disclose symptoms of an encouraging awakening on the part of wholesale growers and dealers in this country to the opportunity now presented for establishing the culture here of many things we have been accustomed to import from abroad. There is really no sound reason why the greater part, if not all, of the plant and bulb material we have been buying in Europe cannot be profitably grown somewhere in this broad land, with its great diversity of climate and soil. We have been eminently successful with the tuberose and the gladiolus, not to mention certain seeds which have come to be a very large item in our horticultural exporting. Our ruling passion for working on the lines of least resistance seems to be the only apparent reason for our failure to take the lead in many other specialties. Referring to our enormous annual importation of young seedling trees and shrubs from abroad, the National Nurseryman in an editorial in its September issue can only see ultimate good to the nursery business in this country in the effects of the war, if the opportunity is taken advantage of, and offers as a slogan, "Propagate! Propagate!" Even florists' azaleas and lily of the valley pips are easily within the possibilities in this country. Conceded that the price of labor is much higher here than it is in Europe, that factor is offset largely by the resourcefulness and higher intelligence of our laboring classes and the many contingent costs and uncertainties with which importers are well familiar. It is a hopeful augury that the situation and the outlook in all its bearings on our home industries is receiving already so much attention. Such an opportunity for an auspicious start is not likely ever to come again.

THE BOSTON CONVENTION FROM A PHILADELPHIAN'S POINT OF VIEW.

Extracts for an address by Fred Hahman before the Florists' Club of Philadelphia, Sept. 1, 1914.

In reviewing events that are past, the Florists' Club of Philadelphia can feel well repaid for having elected to go to the Boston Convention via the Metropolitan Line steamer. The trip was one long to be held in pleasant memory by the participants, for its expedition, comfort and enjoyment. I do not intend to go into detail of this never to be forgotten journey, but, during the social on the boat our fellow member Mr. Grakelow, in a well chosen and well timed speech voiced the appreciation of the Philadelphia boys and girls, for the open-handed friendship extended to them by the New York Florists' Club.

The opening session of the convention was held at the Convention Garden and the exercises were most interesting. Especially noteworthy was the address of welcome by Mayor Curley of Boston. The florists and gardeners of Boston can feel proud to have a mayor of their city who is so thoroughly in accord with their chosen profession. He dwelt upon the lasting benefit and ennobling influence for the good of all the citizens as exemplified in the beautiful surroundings about him made possible by the efforts of the S. A. F. He told of the patriotism of Boston's citizens in endowing the Art Gallery which flanked the Garden on one side and other benefactions grouped about the grounds in the way of museums and other public institutions for the elevation and advancement in knowledge of Boston. After several other speeches and a reply from President Wirth, we (Mr. Logan and myself) took a stroll around the Garden to view the exhibits. The majority of the plantings were very fine and the exhibitors deserve no end of praise for their work. One of the most attractive displays which appeared to interest the general visitor was the exhibit of aquatics by the Dreer firm. The croton beds did not show up well in coloring, possibly

on account of the cool and rainy season, but the recently planted croton beds of the Craig Co., were resplendent in colors and made a most striking hit. The one poor feature about the garden was in the lawn effects; however, one of the Boston craft who had joined us told us that the garden had been planted on what was a swamp last spring and to make the grass grow in the brief time since finishing the filling had resulted in partial failure.

I was greatly impressed with the possibilities of this Convention Garden. It was the first I had seen and believe it can be made a drawing card and trade advertisement in the convention city. Instead of having the various exhibitors plant beds to show their wares ad libitum it ought to be planted with a view of producing an harmonious effect. The florists and gardeners of the city should bring to bear the best skill and art at their command, with a liberal expenditure of cash, to bring about results. A garden of that kind would make a profound impression on the citizens and would boom the trade and make the convention itself a popular event in the city chosen for its sessions.

Affiliation.

At the last meeting of our club, a committee was appointed to co-operate with the National Gardeners' Association of which committee I was made chairman. As I was the only member of this committee present in Boston I thought it incumbent to attend the joint meeting of this association on Wednesday afternoon. The attendance was large. The papers read were very well written and the one by A. E. Thatcher on the subject of What the S. A. F. has done for the Private Gardener, was well received and the discussion which followed clearly showed that the foremost minds among the gardeners fully appreciate the value of the S. A. F. to them. Much of the discussion centered around the proper way to train young men for the gardening profession and also the relations existing between the gardener and his employer, and the value of genuinely good men. President Wirth who had addressed the meeting, dwelt upon the good remuneration accorded to men able to properly fill the requirements of taking care of the estates of the wealthy and pointed out that such opportunities were fast increasing in our western country. The association voted to hold its December meeting in Philadelphia. I would bespeak for them a generous welcome by our club. Let us extend to them the hand of good fellowship and also for the sake of our fellow members who are private gardeners, let us show their National Association in what high esteem we hold the private gardeners of our club.

One other matter I wish to allude to, is the pleasure I feel that San Francisco captured the convention for 1915. They certainly were entitled to it, and I feel joyful in that they came out ahead, even if the margin was narrow. "All's well that ends well."

In our notes on the Lenox and Stockbridge estates in last week's issue we inadvertently omitted to mention that William Donaldson is the gardener in charge of the beautiful place of Mrs. Oscar Iasigi. Here was the best rose garden we saw in the Berkshire region.

WHAT SHOULD THE SOCIETY OF AMERICAN FLORISTS DO FOR THE PRIVATE GARDENER?

A Paper by Arthur E. Thatcher Read before the S. A. F., at Boston.

When we consider the comparatively short time the S. A. F. has been in existence, it is remarkable what an immense growth it has made, and what a power for good it has become.

Its growth has been almost unprecedented among American societies, and today, from a commercial point of view, it is undoubtedly the largest trade organization of its kind in the world. I have never regarded this as altogether surprising, when one considers the calibre of the men who have, since its inception, been instrumental in guiding its policies, and every horticulturist, whether employed in a business or private capacity, owes a debt of gratitude, directly or indirectly, to those who have worked unceasingly for the betterment of the profession in general.

It is true one only hears of the good which accrues to the various branches of the trade, owing, perhaps to the fact that the news and reports of the Society are largely confined to the trade papers, and what good is obtained for the profession at large is seldom heard of. Is this as it should be?

Since I became a member of the S. A. F. some years ago I have had the good fortune to be associated with many of the men who are, or have been, most prominent in the Society, and have had an opportunity of becoming acquainted with much of their work.

On the other hand it is possible to hear much adverse criticism, which is, of course, very natural, and I do not know of any Society which is free from this. So far as I have been able to learn the principal criticism is that the Society is of little use to the private gardener, and does little or nothing for him. Is this criticism fair?

While it is a very true saying that "The evil men do lives after them," it is also equally true that much of the good done by members of this Society is never heard of; but if it were, I ven-

DASYLIRION GLAUCOPHYLLUM.

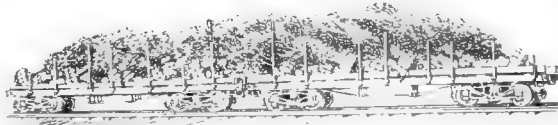


Flower spike 10 ft. high. On grounds of Capt. J. R. DeLamar, Glen Cove, N. Y. Supt. Robert Marshall.

TRAINED PEAR TREE.



In form of a table loaded with fruit. On estate of Capt. J. R. DeLamar, Glen Cove, N. Y. Supt. Robert Marshall.



Two carloads of White Pines 20-26 feet high. They all lived.

ABOUT HICKS' GUARANTEED EVERGREENS

MR. FLORIST: Do you have inquiries for **all-the-year screens twelve feet high?** Have you had to decline them because you could not get evergreens root-pruned, with large balls of earth, that would make a sure growth, and give satisfaction? We have been growing such trees for fifteen years. They are now ready. We will ship more trees if any fail to grow or die in two years. You merely take the order and mail it to us. The trees are grown and shipped in a way that is most nearly neglect proof but we follow it up with reminders as to



This is the way we lash the balls of earth, holding them as solid as a plant in a tub.

testing the soil for moisture, watering and manuring. You can build up a new class of trade by saving people 5 to 10 years waiting. Two acres with the objectional features screened out will give as much privacy as several times the area without tall evergreen screens.

You, Mr. Florist, have an intimate knowledge of your customers. You know who is anxious for tall groups of evergreens for a screen and windbreak this Winter. You know how to present the proposition. You have the confidence of your customers.

You know how to compose such a group: how to mix 'n' Laurel, Rhododendrons, Vinca, Barberry, to hold the mulch around the roots of the trees and make a permanently successful planting. You know your customers would like to make a permanent investment that will add to the hospitality of their home landscape. **Why not make a profit** by convincing your

customers that Hicks evergreens planted in September or October will succeed and that their guarantee is backed by several thousand evergreens from six to thirty feet high that have been moved in September or midwinter during the past three years.

Don't forget our 20 year old Norway Maples, 15 ft wide. Special price \$45.00. Replaced if they fail.



An effective screen for all out buildings, laundry yards, etc.

A group taller than the one shown can be made of

	Special Price
5 White Pines 12-14 ft. 10 yrs. \$18	\$90.00
5 White Pines 8-10 ft. 10	\$0.00
12 White Pines 6 ft. 3.50	\$2.00

Trade Discount 15%

The above is about half a carload. Five men and one team can plant in two days. Estimated weight seven tons.

Hicks Trees
Isaac Hicks & Son
Westbury, Long Island

ture to think one would hear much praise and little criticism.

Although we are at the moment chiefly concerned with what the S. A. F. can do for the private gardener, we might also for a moment see what the Society has done for him. There can be no doubt that the exhibitions held by the S. A. F. in various parts of the country during the last few years have been the finest the country has ever seen; and these have been produced by the co-operation of the commercial and private growers. How much finer they could have been had the private gardeners been more enthusiastic can only be imagined. Certain it is that they have been of great educational value, and are yearly growing more so. Cannot the private gardener learn much from them? Where shall we see anything finer than the exhibits from the Farquhar Nurseries, the acacias from Nahant and the roses and carnations, to mention only a few of the magnificent productions brought together?

Our President, though he may be the foremost park superintendent in the country, will not be offended if I class him as a private gardener. What shall we say of the rose garden he has constructed at Hartford? Is it not the finest example of its kind in the world? And what of the out-door garden he made at Minneapolis? Are such things not of the highest educational value,

and calculated to be of the greatest assistance to the private gardener, if he will only profit by them? Are not the reports from the Botanist, the Pathologist and the Entomologist of great benefit to us all, and is not the parcel post system, so ably advocated by my friend, Mr. Welch, of great benefit to the country at large?

It may seem strange to some; but it is nevertheless true, that some of the men who have been most prominent in the Society's affairs are, or have been, private gardeners. I have only to mention such names as Farquhar, Roland, Fisher, or Totty, who are well able to tell us what advantages have accrued to them by their association with this Society. No one will imagine for a minute that the Society has made them what they are today. This has been accomplished entirely by their own efforts; and I believe this is the crux of the whole question regarding the private gardener. For the Society to be of use to him he must endeavor to become an important factor in the Society.

Finally, I cannot help thinking that the question of helping the private gardener very largely depends upon the private gardener himself; and to be of any assistance to him, any small feeling which may exist must be forgotten so that we may all, commercial and private gardeners alike, pull together for the common good.

It seems to me this powerful organization is fully equipped and fully capable of looking after all classes of the profession if we all work harmoniously together. Can we not do this and help forward the good work of this Society and the grand old profession of Horticulture?

Quincy, Mass.—The Council chamber in City Hall resembled a great market when the annual exhibit of flowers and vegetables raised by children was opened to the public on Saturday, September 5. The children worked under the direction of the civic committee of the Quincy Women's Club. At the beginning of the season 2000 children bought seeds from the committee for a cent a package, and while about 500 children lost interest the rest produced fine gardens, and in some instances produced enough vegetables to supply entire families. The judges were Supt. James Nicol of Mt. Wollaston Cemetery, William Patterson and Charles J. Anderson.

Large EVERGREENS and DECIDUOUS TREES for sale

Write for list. Digging EVERGREENS Now.

THE F. E. CONINE NURSERY CO.
STRATFORD, CONN.

DREER'S ARAUCARIAS

The chances are that there will be no imports of Araucarias from Belgium this fall which is certain to result in a scarcity of this plant for the holidays. We are carrying our usual large stock of spring imported plants, and we would advise you to cover your requirements. There has been no advance in price, and the plants are of the usual good quality.

Araucaria Excelsa

4 inch pots, 5 to 6 inches high, 2 tiers....	\$.30 each
5 inch pots, 10 to 12 inches high, 3 tiers....	.60 "
6 inch pots, 12 to 15 inches high, 3 to 4 tiers	.75 "
6 inch pots, 14 to 16 inches high, 4 tiers....	1.00 "
7 inch pots, 18 to 20 inches high, 4 to 5 tiers	1.25 "

Araucaria Excelsa Glauca

6 inch pots, 8 inches high, 2 tiers.....	\$.75 each
6 inch pots, 12 inches high, 3 tiers.....	1.00 "

Araucaria Robusta Compacta

5 inch pots, 10 inches high, 2 tiers.....	\$.75 each
6 inch pots, 12 to 14 inches high, 3 tiers....	1.25 "
7 inch pots, 14 to 16 inches high, 3 tiers....	1.50 "

Ficus Elastica

A splendid lot of 4 inch pots, 10 to 12 inches high.
\$3.50 per dozen; \$25.00 per 100.

Pandanus Veitchi

A grand lot of well colored plants, 6 inch pots, exceptional good values.



For the most Complete List of Decorative Plants and other Seasonable Stock see our current wholesale list which was mailed September 1st

HENRY A. DREER

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The above prices are intended for the trade only

THE FRAMINGHAM NURSERIES

200 ACRES,

TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.

W. B. WHITTIER & CO.



FINE STOCK OF

RHODODENDRONS,

KALMIAS AND

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FRAMINGHAM, MASS.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

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BOBBINK & ATKINS

PALMS AND GENERAL DECORATIVE PLANTS
CONIFERS, SHADE AND ORNAMENTAL TREES

INSPECTION INVITED ASK FOR WHOLESALE CATALOG

Nurserymen and Florists,

RUTHERFORD, N. J.

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Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

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Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

HOT HOUSE GRAPES

Black Hamburg, Muscat of Alexandria, Alicante, Appley Towers, Gros Colmar, Gros Guillaume, Lady Downe's Seedling, Madresfield Court, Black Muscat

The above are grown in our own greenhouse and can be shipped immediately, if desired

Strong Fruiting Canes Planting Canes

R. & J. FARQUHAR & COMPANY

6 SOUTH MARKET STREET - - - - BOSTON, MASS.

Clubs and Societies

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

Refreshed and ready for business after their August intermission the members of this club turned out in goodly numbers at the September meeting. In the matter of delinquent members, quite drastic action was taken, some 45 being dropped from membership, while several others were held in abeyance, awaiting the result of interviews with certain members, who thought they could be induced to retain their membership.

Members who had made the trip to the S. A. F. Convention in Boston by boat from Baltimore, were greatly delighted with the water trip, which was made in perfect weather with no sea sickness. The Pittsburgh delegation was entertained in Baltimore by the members of the Baltimore Club and the impression made was so deep that the secretary was instructed to send the Baltimore Club a letter of thanks and appreciation.

It was Gladiolus night and P. S. Randolph & Sons made a display of the standard varieties. They seem to find Niagara about the best seller, and Mrs. Francis King the best among the red-colored varieties. They have not yet found a perfectly satisfactory white. T. Tyler, gardener for C. D. Armstrong, showed giant cockscombs grown from seed procured in Spain. The combs were 12 inches in length, and the spikes were fine and six feet tall. A cultural certificate was awarded this exhibit. Neil McCallum the president, made an interesting exhibit of gourds. A. H. Austin & Co., Wayland, O., sent an exhibit of seedling gladioli which was sent to the Fort Pitt Hotel, marked for the Florists' Club. Unfortunately the box was detained in the hotel and not delivered. Next day, the box was secured and the flowers put on view at the Pittsburgh Cut Flower Co.'s rooms. The seedlings were good. Perhaps the leader was Bertrix, a fine white, which has twice been a cup winner. Easter Bells was a yellow which looked as though it might give Niagara quite a run. Blu-vista is hard to describe. It was a curious shade of white with lavender-purple feathering. I do not know how it would do commercially, but as a

novelty at least every gardener should grow it. No. 52 is a good white after the style of Peace.

H. P. JOSLIN, Sec'y.

HORTICULTURAL SOCIETY OF NEW YORK.

The Horticultural Society of New York, in cooperation with the New York Botanical Garden, will hold a dahlia exhibition on Saturday and Sunday, Sept. 26th and 27th, in the Museum building, New York Botanical Garden, Bronx Park, N. Y. City. Schedules of classes and premiums are now ready and will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City. A symposium on the dahlia will be held on Saturday, Sept. 26th, at 2.30 P. M., in the lecture hall, Museum building. Dr. H. H. Rusby, who has traveled extensively in the country where the dahlia is native, will make a short address on the home and surroundings of the dahlia. This will be followed by a discussion of the methods of present day cultivation of this flower, led by specialists in this line.

All, both amateur and professional, are invited to contribute exhibits and to take part in the discussion. Let us make this a notable gathering of dahlia enthusiasts. Certainly the dahlia is a very popular flower and has hosts of admirers who can do justice to the presentation of their favorite.

GEORGE V. NASH, Sec'y.

CLUB AND SOCIETY NOTES.

The St. Louis Retailers' Association will hold a meeting on Monday, Sept. 21, at Washington Hotel, 8 P. M.

The Cincinnati Florists Society's regular meeting will be held Monday, Sept. 14. A large attendance is expected at this meeting for it is the first one after the summer vacations.

The regular monthly meetings of the Gardeners' and Florists' Club of Boston, will be resumed on Tuesday evening, September 15, at Horticultural Hall, Boston.

The New York Florists' Club will hold its first regular meeting for the season of 1914-15, in Grand Opera House club room, 23rd street and 8th avenue, on Monday evening, September 14. Convention views and experiences will be the topic.

JAPANESE Bamboo Canes

Just the thing for Staking Plants and Small Trees

	Per Bundle
6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

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BODDINGTON'S "QUALITY" CHRISTMAS-FLOWERING SWEET PEAS WE ARE SUPER-HEADQUARTERS

All true stocks of Winter flowering Sweet Peas will again be scarce this season. The winter-flowering Spencer types are almost a total failure owing to the exceptional season in California this Spring, and through the ravages of Aphis.

We regret that our stocks of YARRAWA and ANITA WEHRMAN are entirely exhausted, also many other good varieties, but we can still offer the following while stocks last. Order at once to avoid disappointment—remembering that our stocks are true to name and while a little higher in price, will save you money in the long run.

ROSE QUEEN "ROSE QUEEN" is Orchid-flowering, borne on long stems, extremely free and early and of pink color most attractive, is a decided acquisition, and like all meritorious novelties is sure to be in demand wherever grown. Prices: Trade pkt., \$1.00; 3 trade pkts. for \$2.75; 1 oz., \$12.00.

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Remember, you may deduct 5% if cash accompanies the order.

	Oz.	¼ lb.	½ lb.	Lb.
...BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—Will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting.....	\$0.25	\$0.75	\$1.25	\$2.00
...BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months.....	.15	.50	.85	1.50
...BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer.....	.15	.50	.85	1.50
...CANARY. Similar to the Christmas White, but flowers of an exceptionally good yellow.....	.35	1.00	1.75	3.00
...FLORENCE DENZER. Pure white.....	.25	.75	1.25	2.00
...LE MARQUIS. This is the same color as Princess of Wales violet; has very large flowers.....	.35	1.00	1.75	3.00
...MISS HELEN M. GOULD. White, open flower; standard lilac, marbled....	.35	1.00	1.75	3.00
...MISS JOSEY REILLY. Lilac; very large flowers.....	.35	1.00	1.75	3.00
...MRS. ALEX. WALLACE. Lavender; very scarce.....	.25	.75	1.25	2.00
...MRS. HANNAN. Deep rose pink; very pleasing shade.....	.25	.75	1.25	2.00
...MRS. WILLIAM SIM. Salmon pink..	.25	.75	1.25	2.00
...MRS. W. W. SMALLEY. Satiny pink.	.25	.75	1.25	2.00
...MRS. F. J. DOLANSKY. Daybreak pink.....	.50	1.50	2.25	4.00
...MRS. CHAS. H. TOTTY. Sky blue; late.....	.25	.75	1.25	2.00



Sweet Peas of C. W. Curtis, Irondequoit, N. Y. Raised from Boddington's Quality Seed.

	Oz.	¼ lb.	½ lb.	Lb.
...MRS. ZVOLANEK. Blue, variegated; good for variety.....	.50	1.50	2.75	5.00
...WATCHUNG. Pure white.....	.25	.75	1.25	2.00
...WM. J. STEWART. Blue self.....	.35	1.00	1.75	3.00

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Can be cut to any size.

1000—\$7.00

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Best strain in existence.

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8 inch	50.00
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New Interstate Seed Bill.

Our attention has been called by Curtis Nye Smith, counsel for the American Seed Trade Association to the fact that Mr. Cullop of Indiana has recently filed in the House of Representatives of the United States a bill (H. R. 18630) to make it unlawful to ship in commerce between the States any grain or seed which is falsely labeled or branded, or falsely represented, fixing a penalty for the violation of a fine of not less than five hundred dollars or by imprisonment of not more than one year, or by both such fine or imprisonment.

Notes.

The Holland bulbs which are arriving in this country are of exceptionally fine quality this year. Hyacinths, tulips and narcissus have never been better.

Sluis & Groot, Enkhuizen, Holland, express confidence of their ability to fill all flower and vegetable seed orders. They state that there has been much sunshine and dry weather of late so that they expect to harvest seeds of first quality.

We understand that certain German seed growers are advising their customers that they expect to be able to ship flower and vegetable seeds through Holland without any serious interruption of the usual trade relations with customers in this country.

CATALOGUES RECEIVED.

Peter Henderson & Co., New York City—Wheat, Grasses, Clovers, Etc., for Fall Sowing. A special list.

Otto Katzenstein & Co., Atlanta, Ga.—Price List of Seeds of American Conifers, Trees, Shrubs, Herbs, No. 22.

Vincent Lebreton, Trelaze, France—Wholesale Trade List of Nursery Stock. McHutchison & Co., New York, American agents.

Wm. Elliott & Sons, New York.—Autumn Catalogue and Price List of Giant Flowering Bulbs and Seeds, for the Trade Only.

American Forestry Co., Boston, Mass.—Special Price List of Little Forest, Shade and Ornamental Trees grown at Little Tree Farms, South Framingham, Mass.

Good & Reese Company, Springfield, O.—Fall Trade List for Florists, Nurserymen and Dealers Only. Strong on Roses, of which a useful ready reference table is given.

J. F. Noll & Co., Inc., Newark, N. J.—Bulb Catalogue, Autumn, 1914. Narcissi and Darwin tulips are attractively used as cover illustrations. A general selection of seasonable goods besides bulbs are listed.

Vaughan's Seed Store, Chicago.—

Bulbs and Hardy Plants for Autumn. Tulips, daffodils, lilies and choice perennials are the specialties in this well-compacted fall catalogue. Covers show narcissi and tulips and peonies in colors.

W. B. Whittier & Co., Framingham Nurseries, Framingham, Mass.—Trade Price List, Fall, 1914. For Nurserymen, Dealers, Florists and Landscape Architects Only. A useful list of standard material in ornamental tree, shrub and hardy herbaceous planting stock.

Carters Tested Seeds, Inc., Boston, Mass.—“Bulbs 1914.” A very attractive catalogue beautifully illustrated, several in colors. Dark covers bearing glowing illustrations in natural colors of Darwin tulip Clara Butt. This house is a branch of James Carter & Co., London, England.

Dean Iris Gardens, Moneta, Cal.—Illustrated Guide and Catalogue of Irises. This artistic publication lists over 200 species and varieties grouped under the various classes. A beautiful color plate of hybrid Iris Catarina forms the frontispiece. The price list comes in separate.

GERMAN POTASH SUPPLY.

The Department of State is in receipt of a telegram from the Netherlands legation, under date of August 31, to the effect that the embargo on the exportation of potash from the Netherlands has been temporarily removed. The world's supply of potash comes from Germany, and one of the chief routes for shipping it has been down the Rhine and through ports in Holland. Owing to the war in Europe this neutral territory would be the only outlet for German potash. Importations into the United States of this article in its various forms during the fiscal year ending June 30, 1914, have been as follows:

	Tons	Value
Kainit	541,846	\$2,579,619
Manure salts.....	261,342	2,717,211
Muriate of potash ..	237,916	7,915,523
Sulphate of potash ..	45,139	1,897,710
Total	1,086,243	15,100,123

PUBLICATION RECEIVED.

Growing Bulbs for Winter and Spring Blooming. By Maurice Fuld. Published by Knight & Struck Company, New York. This book emanating from the pen of this versatile author is written solely for the benefit and advice of the amateur and Mr. Fuld in his introduction disclaims any intention to instruct the professional grower. It fills its mission very completely and the trade can unhesitatingly recommend it to their amateur customers as a good guide to modern bulb growing in the house or garden. Price \$1.00.

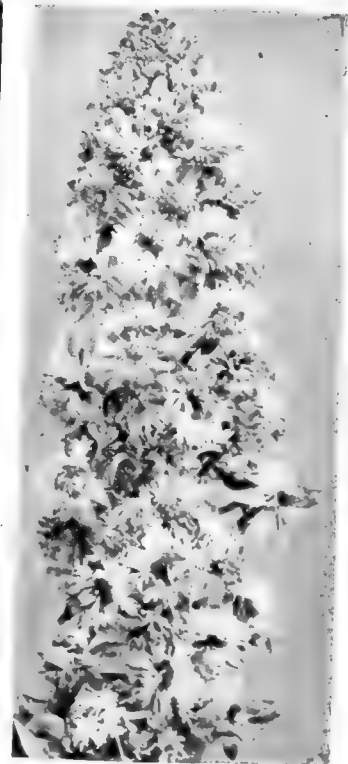
NEW CORPORATIONS.

Los Angeles, Cal.—R. W. Saakes, 810 S. Broadway.

Portland, Ore.—German Floral Co., capital stock, \$1,000. Incorporators, Wm. Wesenberg, Otto Reuble and Karl Bamme.

North Milwaukee, Wis.—Kamp & Spinti Floral Company, capital stock, \$15,000. Incorporators, Chas. Kamp and George and Alfred C. Spinti.

Youngsville, Pa.—Brokenstraw Valley Seed Co., capital stock, \$40,000. Incorporators, E. D. Stewart, J. H. Ho-



¾ Natural Size.

Michell's Mignonne “COLOSSAL”

A strain which cannot be surpassed for forcing; a robust grower, and produces immense flower spikes. Our seeds are saved from greenhouse grown specimens and give splendid results. Trade pkt., 40c.; \$4.00 per oz.

Also all other Seasonable Seeds and Supplies for the Florist

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518 Market St., - Phila.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK

Lompoc, Cal.



THE KENILWORTH GIANT PANSY SEED

For fuller description see my ad in July and August Horticulture or send for list. 1000 seeds, 25c.; 5000, \$1.00; 14 oz. \$1.25; oz., \$5.00. Princess New Upright Pansy, 500 seeds, 25c.; 1000 seeds, 50c.; oz., \$10.00.

CHAS. FROST
Kenilworth N. J.

kanson, M. F. Jobes, F. A. McDowell and G. Brooks.

PATENTS GRANTED.

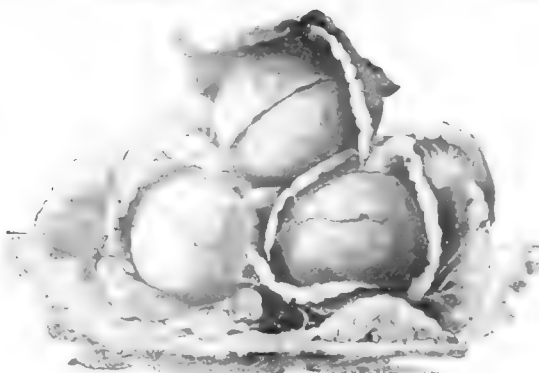
1,108,611. Grass Trimmer, Charles Nystrom, New York, N. Y.

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm



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The Overbrook Gardens and Strafford Flower Farm have been consolidated at Strafford, Pa., and will be under the supervision of Joseph Russell, who, for the past two years, has been in charge of Overbrook Gardens.

Forest Hills Cemetery, Chatanooga, Tenn., announces the opening of the first of a group of up-to-date green houses, scientifically built and fully equipped for first class floral work, under the special direction of G. A. Kimmel. Cut flowers, designs and potted plants will be for sale at the lodge inside the grounds.

FLORAL SHOW ROOM.

In our issue of August 8 we presented exterior views of the elaborate floral building just completed for F. R. Pierson Co., Tarrytown, N. Y., together with some descriptive notes of the structure and its uses. Our cover illustration in this week's issue shows the view looking out to Broadway from the reception or show room and gives an excellent idea of the grand plate glass windows, each 10 feet 6 inches by 14 feet.

A NEW DEPARTURE.

Mark Aitken, of Springfield, Mass., is opening a branch store at 418 Main street. It will be known as the Aitken Cash Branch, and while it is to be run in connection with the main store at 48 Main street, it will be conducted on an entirely different policy. Mr. Aitken announces that the business transacted there will all be done on a cash basis. One of the greatest items of expense encountered by the average florist is caused by the large demand for special deliveries, and it is Mr. Aitken's intention to do away to a great extent with this feature. Two deliveries will be made each day, the first one to take care of all orders received up to 11 o'clock in the morning, and the second one during the latter part of the afternoon taking care of all orders after 11 o'clock in the morning.

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Asmus, Mgr.Chicago—William J. Smyth, Michigan
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Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.**BUSINESS TROUBLES.**Watertown, N. Y.—Morse F. Hart,
florist, liabilities, \$5,218. No assets.Utica, N. Y.—James W. Shearer,
florist. Liabilities, \$14,708; assets,
\$25,520.Houston, Texas—Charles Ehlers,
florist. Liabilities, \$3,715; assets,
\$5,420. The largest creditor is the
firm of Van Zonneveld Bros., of Hol-
land, with \$648 due. Among the as-
sets are \$100 for household goods,
\$3000 real estate, \$700 accounts receiv-
able and \$120 for horses, vehicles, im-
plements, etc.**ORDERS FOR****NEW YORK**

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WREATH OF ASTERS AND ROSES.

For sale by Mrs. Woodrow Wilson By Gude Bros. Co.



Photo by Taylor, West & Co.

CHICAGO NOTES.

A. Henderson is receiving the congratulations of his friends on his safe arrival home from Europe.

The "Luxemburgers" gave their annual festival on the north side Sunday, Sept. 6, including a display of flowers and vegetables.

A new sign has appeared on N. Wabash avenue which has the distinction of being the first wholesale and retail florists' sign. It is that of Harry Rowe & Co., who will open the new store about Sept. 15.

The Columbia Flower Shop, 3101 Cotton Grove avenue, is now enjoying an established trade. During its short life it has almost outgrown its limited quarters and another year will probably make a larger place necessary.

A. L. Vaughan is one of the few optimists in the wholesale trade and largely because he always knows just how business stands. When asked his opinion of August trade he replied at once "just \$71.00 ahead of August, 1913."

Wm. J. Smyth, 3101 S. Michigan avenue, has returned from his summer home at Antioch, Ill. Mr. Smyth is looking remarkably well and is ready for the fall business which he predicts will be here soon. The summer trade has proven to be about normal, a good July balancing up the dull August at this store.

Retail florists are making as tasteful window displays as during the busier seasons. The asters, various kinds of lilies and early chrysanthemums are appealing to the passersby by their artistic arrangement and to look at the windows one would never

think that florists were pulling the duldest time of the year.

C. A. Samuelson is back from South Idaho, where he has a young apple orchard. This store is being decorated and put in readiness for the opening of the season. Mr. Samuelson does not anticipate loss of trade because azaleas and other winter stock will not be available, but plans to push harder for sales of roses, carnations, etc.

Dr. A. W. Hammer, aged 33, who lost his life by suffocation in a close bath room recently, was the son of the florist by that name in Washington, D. C. Recalling his years of faithful service in his store, Wm. J. Smyth says he considered him at once the most faithful and the most promising young man he ever employed. For years he worked, keeping on meanwhile with his studies and now, just as he had secured a good practice, lost his life through a poorly ventilated room.

PHILADELPHIA NOTES.

Mrs. Edward Campbell and Miss Jeanette Campbell, wife and daughter of Edward Campbell, Ardmore, arrived home from their European trip, Sept. 1. Their fellow pilgrims on the same trip, Mrs. William Ballingall and daughter also managed to make the same steamer. There had been some anxiety, of course, so the reunion all around was of the pronounced order.

The new Snellenburg flower department opened on the 4th inst. and the first day was a big success. Every purchaser at the various departments got a free posy. Bill Craig said it looked to him very much like a riot.

CHICAGO

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We cover the territory between

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FLORISTS AND
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TARRYTOWN ON HUDSON, - N. Y.

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Messrs. Verona and Steinhoff, the promoters, have every reason to feel encouraged, and the trade gets a new outlet for its products which it is always badly in need of.

Frank M. Ross will start a force of fifteen carpenters at once remodelling his 52nd street store about which mention was made week before last. New bulk windows will be put in, tile floors, new cooling apparatus, and many other good notions to meet Mr. Ross's ideas of how to make a success in that particular neighborhood. Much depends on the man, in all cases, and here we have the man "who knows how" for this locality—even if it is radically different from his other stores in Kensington and 61st street. Frank M. Gaul started in on Friday as manager.

We lost another of our old-time friends on September 1, when John Grass passed on to his fathers. Mr. Grass was not a florist—he was a famous wood turner; but he was well known to the older generation of florists in Philadelphia. Among other things, he used to make extra special "ten-pin" balls for men like W. K. Harris, after they had graduated into the champion class. He was also affiliated with us in another way, being father-in-law to Phil. Breitmeyer of Detroit. His death took place in Detroit, where he had been on a visit. He was 76 years of age. Interment took place, Sept. 5, at W. Laurel Hill cemetery.

NEWS NOTES.

Philadelphia, Pa.—Van Waveren & Kruijff have opened a store at 9th and Market streets to retail Dutch bulbs.

Howell, Mich.—R. F. Clark has purchased the vegetable greenhouses formerly managed by Walter Hubbell.

During Recess

Florists' Club of Washington.

The September meeting of the Florists' Club of Washington took the form of a crab feast, an event annually given by Edward S. Schmid to the members of the club and friends. At this time there were more than 150 guests present and the milkman was well finished with his day's work before an adjournment was taken and the guests wended their way to their respective homes. There were more crabs present at this feast than one would believe could find accommodation on the bed of the ocean but after the attacking party ceased its labors nothing remained but a pile of empty shells. There were other good things too, in the way of edibles, and there were short talks, music, songs and recitations. The feast was given in the greenhouse at the rear of the store of F. H. Kramer. This was appropriately decorated and the long table was beautified with choice cut flowers. At one end of the conservatory was placed a piano and here most of the fun was staged.

A large sheet containing the words of songs new and old had been prepared for each guest and they amused themselves by singing several of these. Charles Stevens, I. S. Goldsmith, Leon Toon, Dave Wolf and a number of others did their share toward making the evening a success. The advent of Mrs. Clara Naecker was the cause of a great outburst for she is one of the most popular singers in the city, and the boys made her work overtime. Following the close of one of the local theatres an entire company of players, numbering more than twenty, joined in the merriment and sang several songs.

All thoughts of business was tabooed, for it had been decided to devote the entire evening to merriment. With this fact before him M. C. Ebel gave a humorous talk on "The Vicissitudes of the Washington Florists Under Misapplied Democracy." His entire speech was based on the language familiar to the florists' business and needless to say his remarks were well taken.

William F. Gude urged all present to do their utmost to further the cause of the William R. Smith Memorial, and was followed by Richard Vincent, Jr., who added his plea to that of Mr. Gude. Mr. Vincent invited them to make a visit to his annual dahlia and canna exhibition, this visit to take the shape of a club outing. His invitation was accepted by President Cooke on behalf of the members.

As a souvenir of a most successful evening Mr. Schmid presented each of his guests with a match safe, the box of which was formed from a grotesque representation of His Satanic Majesty. There was really no need of such a remembrance for none of those present will ever forget the September meeting of the Florists' Club of Washington.

Kansas City Florists.

The first picnic of the Kansas City florists, held at Chandler's Grove at Merriam, Kas., on August 27, was attended by 150 persons. The special car that carried the party to the



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be fooled by imitations of MEYER GREEN SILK LINE. Order name, "MEYER GREEN SILK LINE," \$1.25 per lb., full 16-oz. to the can and box, not weighing in the can like what you are now buying, supposed to be MEYER GREEN SILK LINE. Try out the sample spools taken out at the convention, and don't forget to order of MEYER. It comes in sizes: F, fine; FF, medium; and FFF, coarse. All first class jobbers sell MEYER GREEN SILK LINE.

grounds was loaded with flowers, which were strewn along the way. Athletic events formed a part of the afternoon's program. There were six men's races, a tug-of-war, a women's horse shoe pitching contest, jumping and tree climbing contests and a fat man's race. The judge of the events was R. J. Parker, the western representative for Poehlmann Brothers' Company of Chicago. After a chicken dinner on the lawn a dance was given in the evening.

The Florists' and Gardeners' Club of Holyoke and Northampton had its annual picnic at the Gallivan farm in Smith's Ferry, Thursday afternoon, Sept. 3. The feature of the outing was the baseball game, in which the married men defeated the single men, 4 to 3. A luncheon was served.

KNOXVILLE NOTES.

Chas. L. Baum, president of the Knoxville Florists' Society has invited the members to meet at the suburban home on the Tazwell pike for the next regular meeting. After the regular business the meeting will be turned into a social affair, and refreshments will be served.

Weather conditions here are fine; contrary to the early part of the season we are having an abundance of rainfall and crops of all kinds are growing fine. Farmers of this section say this is the best season they have experienced in several years, and truck gardeners are supplying the market with a fine variety of vegetation. The melon crop is the best this year ever known, and they are hauled on the market by the wagon loads and sell wholesale at from 3c. to 10c. each.

The Knoxville Florists' Society was well represented at the S. A. F. Convention; out of the five florist firms, four were represented by the heads of the firms; namely, Mr. and Mrs. A. H. Dailey, Mr. and Mrs. C. W. Crouch, C. L. Baum and Addison J. McNutt; they all are very enthusiastic over the Convention. The fact that Knoxville was so well represented was highly commended, it having a greater percentage of attendance than any other city; not excepting even Boston itself.

In the florist line everything is looking fine. All carnations are planted out and are making a fine growth. Chrysanthemums are growing well and the prospects are good for an excellent crop. Roses are making a good growth although not blooming much at present. Up to the present time stock has been plentiful; enough to supply all local trade, and some has

been shipped to other markets. At the various stores business seems to be quiet, but when compared with the same period of last year it shows a decided increase. Everybody has returned from vacation seemingly much refreshed and ready to get down to business again when the busy season opens.

Addison J. McNutt reports business very dull in cut flowers; C. W. Crouch reports the supply of cut flowers as rather short, with the exception of dahlias, which are very fine. Mrs. Rosa Hall Ryno also reports business rather dull. Asters are all gone now, and gladioli and roses are about the only flowers blooming. Chas. L. Baum is starting to build a new potting shed, bulb cellar and garage combined. He was very fortunate when he laid in at least a year's supply of ribbons, chiffon, etc., just before the price advanced. A. H. Dailey reports business very quiet. He has a very attractive window for this time of the year using fine ferns and gladioli. Dahlias are coming in since the weather has cooled.

OBITUARY.

Henry Escher.

Henry Escher, a young man employed at Dreer's, died very suddenly while assisting in putting up the firm's exhibit at the Byberry Fair last Friday. He had been in delicate health for some time, and had just returned from a summer's recuperation at Riverton. He was stricken with a hemorrhage, and was dead before they could get him to the nearest hospital—Somerton. The sad affair was a great shock to all his associates, by whom he was much esteemed. Interment took place at Fernwood Cemetery on Wednesday.

KOMADA BROS.

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66 PEARL ST. BOSTON
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Supply of Best Cut Flowers all the Year Around
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If interested, send us your name and address for our weekly price list.

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SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 7		CHICAGO Sept. 7		BUFFALO Sept. 7		PITTSBURG Sept. 7	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 18.00
" Fancy and Extra.....	19.50	to 15.00	15.00	to 10.00	12.00	to 15.00	10.00	to 12.50
" No. 1.....	8.00	to 10.00	5.00	to 10.00	10.00	to 12.00	4.00	to 6.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Ordinary.....	2.00	to 4.00	2.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	5.00	to 6.00	4.00	to 5.00	6.00	to 8.00
" Ordinary.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00
Maryland, Taft, Extra.....	4.00	to 6.00	5.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Ordinary.....	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Russell, Sawyer.....	4.00	to 6.00	4.00	to 20.00	5.00	to 6.00	6.00	to 8.00
Carnations, Fancy.....	4.00	to 1.00	2.00	to 1.00	1.00	to 1.50	1.00	to 2.00
" Ordinary.....	2.00	to 2.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Cattleyas.....	5.00	to 6.00	4.00	to 6.00	4.00	to 5.00	3.00	to 5.00
Lilies, Longiflorum.....	8.00	to 10.00	5.00	to 8.00	8.00	to 10.00	8.00	to 10.00
Lily of the Valley.....	4.00	to 5.00	3.00	to 4.00	4.00	to 4.00	2.00	to 4.00
Asters.....	2.00	to 1.00	1.00	to 4.00	4.00	to 2.00	1.00	to 3.00
Gladioli.....	2.00	to 5.00	2.00	to 5.00	1.00	to 3.00	2.00	to 4.00
Corn Flower.....	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Chrysanthemums.....	1.00	to 8.00	1.00	to 15.00	1.00	to 30.00	1.00	to 1.00
Dahlias.....	2.00	to 4.00	1.00	to 1.00	1.00	to 2.00	.50	to 2.00
Sweet Peas.....	1.00	to 1.00	1.00	to 1.00	.20	to .30	1.00	to 1.00
Gardenias.....	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Adiantum.....	1.00	to 1.00	1.00	to 1.00	1.00	to 1.25	1.00	to 1.00
Smilax.....	1.00	to 12.50	1.00	to 15.00	1.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, Strings (100).....	1.00	to 50.00	1.00	to 50.00	1.00	to 60.00	30.00	to 50.00
" " & Spreng. (100 bchs.).....	1.00	to 35.00	1.00	to 35.00	1.00	to 35.00	30.00	to 40.00



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Mention Horticulture when writing.

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Flower Market Reports

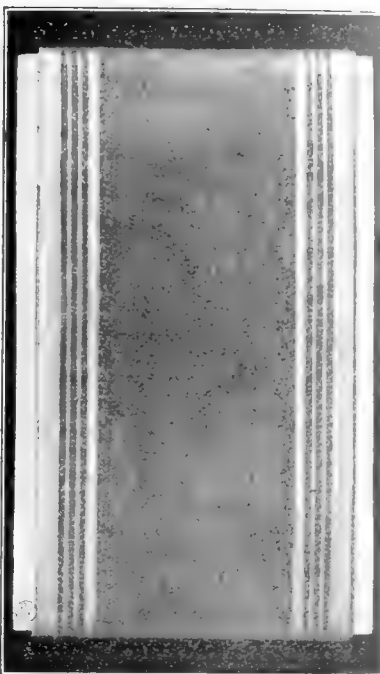
BOSTON A very backward and uninteresting condition dominates the trade, retail as well as wholesale. Roses are the chief occupants of the storerooms, after asters and gladioli, and they are fully as difficult to move as the last named. There are a few carnations of acceptable quality coming in, but they would not be greatly missed if they stayed on the farm, as there is nothing doing in the market. As before stated, gladioli and asters are a bad load for the wholesaler to carry just now. Lily of the valley has moved up a peg in price, this being probably due to the expected scarcity of pips later on.

A very dull market and very little business. Asters have come upon us in very heavy quantity and the outlet is practically closed for any ordinary or poor quality. Of course there are sales for the fancy stock though at this writing these are coming in very heavy. There has been no let up on gladioli and only the good varieties have any sale and at prices way below previous years. New crops of roses are coming on heavier each day and the sales have not been up to the mark. The weather has been warm and it has been a problem to keep anything in salable condition. With the amount of lilies coming in it resembles Easter and the prices have been and are so low that the growers can hardly realize the cost of the bulbs. An early reaction is hoped for.

There is no material improvement in trade conditions. The first week of September was considered fair till Friday, when all demand ceased and some report that day as the worst in their history. Saturday was also dull and the opening of the second week so far has been far from satisfactory. The shipping orders have fallen off materially, but as there is not a large supply of good stock coming in, there is no great accumulation. Chrysanthemums are more in evidence and Smith's Advance is furnishing the white with Golden Glow for yellow. Early asters are gone and some better ones of the later varieties are taking their places. Roses are in good condition and buyers have plenty of varieties from which to select. Taking the summer season as a whole, roses have been offered worthy of a larger demand. Carnations are improving daily but demand is light. Lilies are hard to move. Gladioli seem likely to finish the season without change, generally poor in money return but good in quality of stock. At E. C. Amling's, Manager John Michaelson says there is little good stock going to waste, for though demand is light, stock is coming in in comparatively small quantities.

Last week's market **CINCINNATI** was featured principally by a great influx of home-grown asters. Everyone about this city who grew this flower seemed to be in full crop and with

RIBBONS, BASKETS, CHIFFONS



If you want special ribbons to match any of the newer Roses, we have them. Our stock is complete. While there may be some shortage in Imported Ribbons and Chiffons, we are fortunate in having a good stock of American-made Ribbons that for quality cannot be surpassed, and while prices have advanced on some lines, we intend to stick to former quotations until forced to raise by the manufacturers charging us more. If you want the best in this line, send to us.

BASKETS—This line we annexed to our list about six months ago and offer an extensive assortment in plain and decorated Baskets in colors and shapes that are sure to please and at moderate prices.

These are American baskets and much superior to the poorly made imported stock—and offered at even lower prices.

Drop us a postal and our representative will call with full particulars.

We continue closing at 5 P. M. until Sept. 12.



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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 10		ST. LOUIS Sept. 7		PHILA. Sept. 7	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
" Fancy and Extra	6.00	to 12.00	10.00	to 15.00	10.00	to 12.50
" No. 1	2.00	to 4.00	5.00	to 8.00	3.00	to 8.00
Killarney, Richmond, Extra	3.00	to 4.00	4.00	to 6.00	4.00	to 6.00
Ordinary	.25	to 2.00	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 4.00	4.00	to 6.00	4.00	to 6.00
Ordinary	.50	to 2.00	2.00	to 3.00	1.00	to 3.00
Maryland, Taft, Extra	3.00	to 6.00	4.00	to 5.00	4.00	to 6.00
Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 3.00
Russell, Shawyer	3.00	to 12.00	4.00	to 8.00	1.00	to 8.00
Carnations, Fancy	1.00	to 1.50	2.00	to 3.00	...	to ...
Ordinary	.50	to .75	1.00	to 1.50	1.00	to 1.50
Cattleyas	10.00	to 40.00	40.00	to 50.00	50.00	to 60.00
Lilies, Longiflorum	3.00	to 4.00	6.00	to 8.00	6.00	to 8.00
Lily of the Valley	...	to 5.00	3.00	to 4.00	1.00	to 4.00
Asters	.25	to .75	1.00	to 4.00	.50	to 2.00
Gladioli	1.00	to 2.00	1.00	to 3.00	1.00	to 3.00
Corn Flower	...	to .25	...	to ...	.20	to .35
Chrysanthemums	...	to 12.50	...	to ...	10.00	to 15.00
Dahlias	...	to ...	...	to ...	1.00	to 2.00
Sweet Peas	.50	to .75	...	to ...	.35	to .75
Gardenias	...	to ...	...	to ...	...	to ...
Adiantum	.75	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (roo)	...	to 50.00	35.00	to 50.00	35.00	to 50.00
" " & Spreu (roo Bchs.)	1.00	to 35.00	15.00	to 25.00	.25	to 50.00

their cuts helped to overload the wholesale houses. The demand remained about the same as at the last writing. Shipping business is picking up somewhat. Every seasonable variety of roses is in a heavy supply most of them very good but meet with only an ordinary call. Carnations are received in moderate supply. Gladioli are very plentiful.

Reports from all classes of dealers indicate a very slow business, the volume of trade being greatly shrunken from the average of recent years. The entire cessation of all steamer trade helped in the general downward trend. Last Saturday a little ripple of encouraging activity

struck the wholesale market and was a genuine surprise, pleasing the dealers who were almost afraid to show their delight for fear they would frighten it away again. The first part of this week shows a trifling improvement in demand over last week, but there is such an overwhelming deluge of material to be moved that this makes but faint impression on the general result.

Business continues very quiet. **PHILADELPHIA** as is usual at this season. The only little ripple was the opening of the Snellenburg flower department, which used up quite a bit of stock. Roses were plentiful last

Continued on page 402

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SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

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GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Tel. 759 Mad Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sep. 5 1914		First Half of Week beginning Sep. 7 1914	
American Beauty, Special	10.00	to 15.00	10.00	to 20.00
" " Fancy and Extra	5.00	to 10.00	5.00	to 10.00
" " No. 1	1.00	to 5.00	1.00	to 5.00
Killarney, Richmond, Extra	.50	to 3.00	.50	to 3.00
" " Ordinary	.25	to .50	.25	to .50
Hillingdon, Ward, Sunburst, Extra	.50	to 4.00	.50	to 4.00
" " Ordinary	.25	to .50	.25	to .50
Maryland, Taft, Extra	.50	to 4.00	.50	to 4.00
" " Ordinary	.25	to .50	.25	to .50
Russell, Shawyer	.50	to 4.00	.50	to 4.00
Carnations, Fancy Grade	to 1.00	to 1.50
" " Ordinary	.25	to .50	.25	to .75

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Still Going Strong.

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OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE

106 WEST 28TH ST., NEW YORK.

Opens 6 A. M. daily.

Telephone, 167 and 4468 Mad. Sq.



Flower Market Reports

(Continued on page 2)

week, but the supply has fallen off considerably. American Beauty and Mrs. Chas. Russell are the leaders, the latter with good flowers but as yet only medium stems. The new ones, like Ophelia and Hadley, are in evidence, but are very short stemmed. Asters are at their best, splendid stocks of the Crego and Semple strains being available. New crop carnations have just commenced; the flowers are very fair but not much as to stem. The flush of the gladiolus crop is past, although these will be a feature for some time yet. They are selling a little better, as the cheap stuff from the nurserymen is not now in the way. A few of the very early varieties of chrysanthemums are to be seen—Golden Glow and others of that character. Dahlias are plentiful, but the demand as yet is very limited.

ST. LOUIS The cut flower market is in the same overcrowded condition as for the past month. The rose stock shows some improvement in quality and length of stem, but the demand is so slow that a lot of good roses go to waste. Prices are exceedingly low in all grades. Carnations are looking much better and the demand for the best is good. Other flowers that are in plenty are asters, gladioli, tuberose stalks and lilies.

WASHINGTON Business thus far this month has been very slack. Florists are anxiously awaiting the coming of cooler weather for it is expected that good business will prevail this fall. At the present time flowers of all varieties are practically without price. Large quantities are being received but the demand is not enough by far to take care of more than a small proportion. The new crop carnations are improving in quality. Both the quantity and the quality of gladioli seems to be decreasing. Some very fine asters, some of them as large as 4½ inches in diameter of bloom, are to be had at low prices. Lilies go a-begging.

VISITORS' REGISTER.

Washington, D. C.—P. W. Firth, East Boston, Mass.

Knoxville, Tenn.—Mr. McCabe, of A. L. Randall Co., Chicago.

Chicago—Mrs. Latshaw, Libertyville, Ill.; Otto A. Schroeder of Carl Meier & Co., Green Bay, Wis.; L. J. Larson of H. Larson & Son, Menominee, Mich.

Cincinnati—Mr. and Mrs. G. A. Beckman, Middletown, Ohio; Mr. and Mrs. Rasmussen, New Albany, Ind.; Martin Reukauf of H. Bayersdorfer & Co., Philadelphia.

Philadelphia—Harvey Scheaf, manager for Mrs. E. A. Williams, Pittsburgh, Pa.; E. W. Mayer, Green & Mayer, Crestmont, Pa.; Mr. and Mrs. Phil Breitmeyer, Detroit, Mich.

Los Angeles, Cal.—George W. Smith, formerly of Howard & Smith, and Jacob Dieterich, have formed a partnership in the nursery business.

FANCY OR DAGGER FERNS

New Crop Fancy Ferns
Dagger Ferns

\$0.75 per 1000
.75 per 1000

Discount on all orders

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Green and Green Galaxy, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 4c

Pine by the pound, 8c, or by the yard

Branch Laurel, 35c for a large bundle

Southern Smilax, 50 lb. cases, \$5.00

Green and Bronze Leucothoe Sprays, \$3.50

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Fine Boxwood, \$7.50 per 50 lb. case

Order in advance

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Sep. 5 1914		First Half of Week beginning Sep. 7 1914	
Cattleyas	20.00	to 35.00	2.00	to 35.00
Lilies, Longiflorum	1.00	to 3.00	1.00	to 3.00
Rubrum	1.00	to 3.00	1.00	to 3.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00
Asters.....	.50	to 1.00	.50	to 1.00
Gladioli.....	.25	to .50	.25	to .50
Corn Flower				
Chrysanthemums	10.00	to 12.00	10.00	to 12.00
Dahlias.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches)				
Gardenias	3.00	to 12.00	3.00	to 12.00
Adiantum.....	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	25.00	to 35.00	25.00	to 35.00
& Spren (100 bunches)	15.00	to 20.00	15.00	to 20.00

PERSONAL.

A. E. Brown, Mrs. Burpee and her two sons, W. Atlee, Jr., and David, arrived home on the S. S. Minnetonka Sept. 7.

W. H. Elliott, Brighton, Mass., and Madbury, N. H., is home from his long vacation in the Maine woods, looking very fit for the fall and winter campaign.

Miss Ellen Cooke Stewart, youngest daughter of Mr. and Mrs. Wm. J. Stewart and Ralph Carlton Crouse of Copper Cliff, Ont., were married at Winchester, Mass., on Wednesday evening, September 9.

Clarence Watson is the new manager of the Pennock-Meehan store in Washington, vice Frank Gaul resigned. Mr. Gaul goes to manage the new store of Frank M. Ross, 52nd, below Market street, Philadelphia.

D. Iliffe announces that in order to secure larger storage room to take care of his increasing business in the construction and heating of greenhouses, he has moved his plant and office to South Weymouth, Mass.

Willis E. Light of Lowell, Mass., a well known landscape gardener, has been missing for the past five weeks. His relatives and friends believe that he has suffered foul play or else a lapse of memory. Light left his home five weeks ago last Sunday to visit friends camping at Hobb's Pond, and told his wife that he would return that evening before 8 o'clock. It has been learned that he did not visit the camp, and nothing of his whereabouts has been gleaned from a most exhaustive inquiry.

Royersford, Pa.—The greenhouses and retail flower business of R. E. Nace, near Fernwood, has been sold to Albert Bergentz and Mr. Tryball.

WASHINGTON NOTES.

Leapley & Meyer, are renovating their store at 905 G street, Northwest, in preparation for a strenuous fall business and have installed a large seed case. This firm is planning to increase its outdoor production next year to quite an extent.

The Florists' Club of Washington is planning to take advantage of the kind invitation of Richard Vincent, Jr., of White Marsh, Md., to attend his annual canna and dahlia show and the start will be made at 11 A. M., Thursday, Oct. 1, via the B. & O. R. R., which will furnish a special train for the local florists.

William F. and Adolphus Gude last week made a trip to Frederick, Md., to assist Frank C. Hargett in making a success of his proposed educational flower show at that place on September 17. Many of the leading growers as well as the government departments, have contributed flowers and plants for this purpose and his visitors expressed themselves as well pleased with the good work Mr. Hargett is doing to further a love for flowers. On their return trip they visited the plant of Jesse P. King, at Mt. Airy, Md., where they found considerable construction work and improvements going on, including the erection of two large iron and cement houses, about 50x160 feet and the installation of a new 100 h. p. boiler.

ROBERT J. DYSART

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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Nicotine Mfg. Co., St. Louis, Mo.
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ARAUCARIAS

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Godfrey Aschmann, Philadelphia, Pa.
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Asparagus plumosus, strong seedlings,
75c. per 100. E. A. WALLIS & CO., Berlin,
N. J.

AZALEAS

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Bobbink & Atkins, Rutherford, N. J.
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August Rolker & Sons, New York.
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For page see List of Advertisers.

Lorraine,	2 1/4 in.	Per 100,	\$12.00
"	3 in.	"	20.00
"	4 in.	"	35.00
"	5 in.	"	50.00
Cincinnati,	2 1/4 in.	"	15.00
"	3 in.	"	25.00
"	4 in.	"	40.00
"	5 in.	"	60.00

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Hitchings & Co., New York City.

King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on
demand. JULIUS ROEHRs CO., Ruther-
ford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CANES

Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

FIELD GROWN CARNATIONS.

850 Pink Delight; 500 White Wonder;
1000 Windsor; 500 Beacon; 300 Benora.
Will sell the lot reasonable. Write or tele-
phone JOHN T. HOWELL, 139 Summer
St., Watertown, Mass. Telephone connec-
tion.

CARNATION STAPLE

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 2000 for \$1.00 post paid. I. L.
PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CHRISTMAS PEPPERS

Christmas Peppers Birdseye, extra fine
stock plants in bloom, 2 1/4 in., \$2.50 per
100; 4 in. in fruit, \$6.00 per 100. CARL-
MAN RIBSAM, 31 Wall St., Trenton, N. J.

CYBOTIUMS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

Cyclamen from 3 1/4 in. pots, \$15.00 per
100; 4 in., \$25.00 per 100; 5 in., \$50.00 per
100. Finest strain, separate colors.
JULIUS ROEHRs CO., Rutherford, N. J.

CYPERUS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

DAHLIAS

Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECIDUOUS TREES

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 383

FERNS—Continued

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechslin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.

Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FORCING FRAMES

Geo. N. Barrie, Brookline, Mass.
Glass and Wooden.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, cas-
ties, globes, aquarium, fish foods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

Stearns Cypress.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.

Pierson U-Bar Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.

Hitchings & Co., New York City.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GREENHOUSE LIGHTING PLANTS

Country Engineering Co., New York City

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HOT HOUSE GRAPES

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HYDRANGEAS

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.

Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.

Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.

For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.

For page see List of Advertisers.

Roman J. Irwin, New York City.

Nico Fume Liquid and Paper.
For page see List of Advertisers.

IRIS**THE IRIS! THE IRIS!**

200,000 in 225 varieties from \$1.00 per
100 to \$1.00 per root. Some of the finest
on earth. Send 10 cents for Iris manual.
C. S. HARRISON SELECT NURSERY,
York, Nebr.

German Iris. 10 best cutflower varieties,
\$1.00 per 100. ROSEDALE HARDY PLANT
FARM, Camden, N. J.

JERUSALEM CHERRIES

Jerusalem Cherries, fine strong and bushy
plants ready for a 4 in. shift. Fra Diavola
(new) and Capsicastrum, 2½ in., \$2.50 per
100; \$22.00 per 1000; 4 in., extra fine, \$6.00
per 100. CARLMAN RIBSAM, 31 Wall St.,
Trenton, N. J.

KENTIAS

Joseph Hancock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON
Lemon Oil Co., Dept. J., Baltimore, Md.

For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Isaac Hicks & Son, Westerly, L. I., N. Y.
Guaranteed Nursery Stock.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

PEONIES.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.
Gold Medal Peonies.
For page see List of Advertisers.

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

Peonies—The best French collections. Catalogues free. DESSERT, Peony Specialist, Chenonceaux, France.

Peonies: Marie Lemolne and other fine varieties. Write for list. THOMAS J. OBERLIN, Sinking Spring, Pa.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PHOENIX

Phoenix Canariensis, fine large plants. \$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company, N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association, San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds, Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Mitchell's Seed House, Philadelphia, Pa.
Colossal Mignonette.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. LAGER & HURRELL, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

For List of Advertisers See Page 383

SWEET PEA SEED

Arthur T. Boddington, New York City.
Christmas-Flowering Sweet Peas.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

C. C. Morse & Co., San Francisco, Cal.
New Sweet Pea Margaret Atlee.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphiae Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee,
Wis.

WILLIAM E. HEILSCHER'S WIRE
WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

**Wholesale Florists (Continued)
New York**

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West
28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransdell St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12
Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
For page see List of Advertisers.

New Offers In This Issue**GUARANTEED EVERGREENS.**

Isaac Hicks & Son, Westbury, L. I., N. Y.
For page see List of Advertisers.

KENILWORTH GIANT PANSY SEED

Chas. Frost, Kenilworth, N. J.
For page see List of Advertisers.

**NEW SWEET PEA MARGARET
ATLEE.**

C. C. Morse & Co., San Francisco, Cal.
For page see List of Advertisers.

RIBBONS—BASKETS—CHIFFONS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

**WHOLESALE GROWERS OF VEGE-
TABLES AND FLOWER SEEDS.**

Sluis & Groot, Enkhuizen, Holland.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—A greenhouse man for a pri-
vate place. One with European experience
preferred. Wages \$60 per month. Send
copies of references in first letter. Address
A. B. C., care HORTICULTURE, 11 Hamil-
ton Place, Boston, Mass.

WANTED—Section man on Roses. Ap-
ply to PEIRCE BROTHERS, Waltham,
Mass.

SITUATIONS WANTED

WANTED—A responsible position by a
competent young man experienced in
greenhouse management and private estate
work. Chance for advancement valued
above salary at start. Massachusetts Agri-
cultural College graduate who is at present
not out of employment. Address "G. A.,"
care of HORTICULTURE.

SITUATION WANTED on private place
by first class grower of Roses, Carnations,
Mums, Gardenias and general line of cut-
flower and flowering plants including
Stovehouse plants. Single, 30 years of age
and good habits. State particulars in first
letter. E. S. R., Address, care HORTI-
CULTURE.

FOR SALE

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SHELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.

**Buy Your
Fall Stock
from
Horticulture's
Advertisers
The Benefit
will be
Mutual
Buy Now
and escape
War Prices**

In writing to Advertisers kindly mention Horticulture

SOCIETY OF AMERICAN FLORISTS

Annual Report of Entomologist.

As entomologist to your society, I fully expected to receive from plant growers all over the country inquiries and specimens relating to insect troubles. Such inquiries during the past year have been given due attention, but they have been few outside of my own State of Connecticut.

Permit me to call your attention to a few troubles, which, though fortunately still uncommon, may at any time cause considerable damage.

General Injury From Mites.

The common red spider (*Tetranychus telarius* Linn.) of the greenhouse often causes considerable damage to plants outdoors, particularly coniferous trees and shrubs.

Choice specimen trees on the lawn and in the nursery are now frequently sprayed with such materials as kerosene emulsion, soap and water, and with nicotine solutions to kill the red spider.

A sister species, the two-spotted mite, (*Tetranychus bimaculatus* Harv.) also greatly injures Chestnut and other broad-leaved trees. Both are worse in dry seasons, as wet weather is unfavorable to mites. Nevertheless, during the present season in Connecticut, with an almost unprecedented amount of rainfall, certain kinds of mites have flourished outdoors.

These mites are not insects but belong to the family acarina, and, like the true spiders, have eight legs and belong to the order Arachnida. Many of the mites are pests of plants and animals.

Mite Attacking California Privet.

A short hedge of California Privet in my own garden this season was attacked by a mite of the genus *Phyllocoptes*. Apparently it is a new species, and it is doubtful if any mite has been previously recorded from California Privet unless, perhaps, red spider.

Nothing unusual was noticed on this hedge in 1913, but the first growth in 1914 had peculiar slender shoots with narrow leaves curled backward. On examining them with a hand lens the under side of each leaf was found to be literally covered with very small, elongated, crawling mites.

Up to July 1 apparently all terminal leaves on this hedge were infested and curled. On my return from a vacation late in July the hedge presented a changed appearance, as a number of the stronger shoots had the normal appearance, and the mites had disappeared from all the leaves.

A Mite (*Tarsonemus pallidus* Banks) Attacking Cyclamen, *Chrysanthemum* and *Snagdragon*.

This mite was first brought to my attention on Nov. 12, 1912, when an assistant who was inspecting imported stock at a florist's in Bridgeport, Conn., brought to the laboratory some *chrysanthemum* flowers which, though freshly cut, had many dead and brown petals scattered through the blossom. These flowers were carefully examined by both botanists and entomologists, and the only parasites found were numbers of very small white or transparent mites at the bases of the petals. These mites seemed to be the cause of the trouble.

On Dec. 12, 1913, another assistant, while inspecting imported stock at a

private place in Hartford, was shown cyclamens which had produced no blossoms, with leaves badly curled and buds distorted. These plants were also attacked, especially the leaves and buds, by this same mite, *T. pallidus*. Later, other infested cyclamen plants were received from Branford, Conn.

On Jan. 5, 1914, a New Haven florist brought to my laboratory some *snagdragon* plants, with leaves badly curled. His whole crop for the season was threatened. The plants were badly infested with *Tarsonemus pallidus*. Now these mites have a very primitive respiratory system and it is often difficult to kill them by fumigating, even with hydrocyanic acid gas. Consequently I arranged to carry on some spraying experiments in his greenhouse to control this pest, and on Jan. 7 Messrs. B. H. Walden and Q. S. Lowry, two assistants, made the first treatment.

These treatments were repeated on Jan. 14, 22 and 30. A portion of the plants were left untreated as checks; a portion was sprayed with tobacco preparation sold as "Black Leaf 40," in two dilutions, (1 teaspoonful in 1 gallon, and 1 teaspoonful in 1½ gallons of water), the remainder were sprayed with fir tree oil in two dilutions (2 oz. in 1 gallon and 3 oz. in 1 gallon of water).

To the tobacco preparation, naphtha soap at the rate of 1 lb. to 25 gallons of water was added for a spreader.

Evidence from these tests seems to show that this pest may be controlled by spraying the under surface of the leaves with the stronger mixtures herein mentioned, of either fir tree oil or "Black Leaf 40." The mites entirely disappeared from the treated plants, but continued to cause injury on the check plants even though they were cut back.

I am indebted to Mr. Nathan Banks, of the Bureau of Entomology, for the identification of these mites.

White Ants and Geraniums.

Another pest which may become serious is "white ants." On May 23 I received from a Hartford florist a letter describing a trouble of bedding geraniums, (*Pelargonium zonale*, or other species) in the field of a customer in New Rochelle, N. Y. More than 200 plants had been ruined by some insect which tunneled out the inside of each stem and root. The plants, of course, wilted and died.

As I failed to recognize the trouble from his description, I asked for specimens, and in due time received a stem from one of these plants together with some of the soil in which it was grown. White ants were the cause of this trouble. They had devoured the entire inner portion of the stem and main root, leaving only a thin layer of the woody tissue and bark.

The insects received were all immature, and have not yet been specifically identified, but probably belong to the genus *Termes*.

Termes flavipes Kollar is our most common species and often breeds in woodwork near the ground, such as construction timbers of bridges, trestles, buildings, fences, etc. We have even found it in old stumps, in the board walks of greenhouses, and the strips of wood along the edges of tar walks.

At New Rochelle, however, the white ants could not be traced to any wood-

work but seemed to be all through the soil. It may, therefore, be a different species. There are several destructive kinds in the tropics, and at least six species in the Southern United States. On a visit to the Bussey Institution, Forest Hills, Mass., on July 7, I was shown a geranium stem which had been hollowed out by white ants in exactly the same manner as those in New Rochelle.

A possible remedy is carbon disulphide used in the soil in the same manner as for ordinary ants, but many tests must be made of various materials, before any treatment can be recommended.

CHILDREN'S GARDENS EXHIBIT AT BOSTON.

The annual display of products grown by children was opened at Horticultural Hall on Saturday, Sept. 5. More room than ever before was taken up with flowers, plants, vegetables and fruits brought there by boys and girls in competition for a generous list of money prizes, including an appropriation of \$200 from the State toward the encouragement of agriculture among the children of the Commonwealth. The hall presented a beautiful appearance, not only by reason of the bright-hued specimens which Nature has brought forth, but because of troops of children, all eager to arrange their own specimens to the best possible advantage and on tiptoe of expectation while waiting for the judges to come around with the magical cards telling of the awards.

On the steps leading from the main hall to the balcony there was a very pretty arrangement giving an idea of what the South Bay Union has accomplished on its roof garden. Three little sisters, with their little brother who have developed a taste for gardening through the teacher at Elizabeth Peabody House, exhibited some fine things which they planted and tended on their own house top. The South End Industrial School was represented by a splendid collection of vegetables and flowers, also the Jamaica Plain Neighborhood House, the Roxbury Neighborhood House, Emmanuel House Garden and the children of Manchester by the Sea. Mrs. H. H. Kitson, chairman of the children's gardens work of the Quincy Woman's Club, had a long table filled with splendid specimens, besides quantities of cut flowers. The Women's Municipal League vacant lot garden, where nearly thirty boys work daily, was entered in several classes. One child had not only a large and varied collection of vegetables, but a glass-covered case divided into compartments filled with dried vegetables and spices, the work of her own hands. She had drawn a plan of her little plot which yields a wonderful crop. Another contributed 84 specimens of native flowers, plants and grasses, of which 70 were named. A boy from Arlington sent 194 specimens including berries and leaves. One table was taken up by 92 specimens of dried wild flowers made by a West Roxbury boy.

The public school gardens, Cambridge, Waltham, West Groton, Islington, South Natick, Brockton, Lynn, Marlboro, Milton and many more places sent an array of products well worth seeing.

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING—VAPORIZING—FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN 30 Per Cent Strength For Spraying

APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

LEMON OIL CO'S STANDARD SOLUBLE IN WATER INSECTICIDE NO POISON

Guaranteed under the Insecticide Act, 1910 Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can. \$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

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The Ideal Plant Food.

Unequalled for Producing Lusty Chrysanthemums

Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**



Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago



IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

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AETNA BRAND TANKAGE FERTILIZER

Is the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil, and is giving satisfactory results wherever used. Our Compost, composed of manures rotted together from six to eight years, we ship in car lots f. o. b. Chicago. We sell all kinds of Manures in car lots.

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are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

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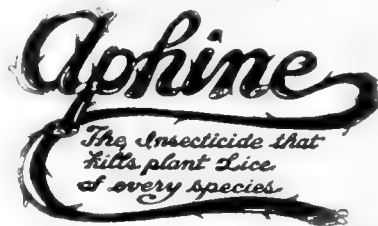
\$13.00 Gallon—\$3.75 Quart—\$2.00 Pint

Compare these prices with what you now pay.

NIKOTIANA

A 12% Nicotine solution properly diluted for vaporizing and fumigating.

\$4.50 Gallon—\$1.50 Quart.



The Recognized Standard Insecticide For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$2.50 Gallon—\$1.00 Quart.

FUNCINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

\$2.00 Gallon—75c. Quart.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$3.00 Gallon—\$1.00 Quart.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

\$1.50 Gallon—75c. Quart.

If you cannot obtain our products from your local dealer, send us your order with remittance and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals
MADISON, N. J.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

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Cocoanut Fibre Soil WAR

Do not stop the use of it. It is the last word in Fertilizing Humus.

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Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.**COMMERCIAL SURGERY FOR SICK
TREES.**

A cavity in a decayed tree is something like a cavity in a decayed tooth. If an unreliable tree surgeon who has been called in to save the tree only partially removes the diseased part of the wood, uses no antiseptic coatings in the cavity and fills it up with cement the tree is no more cured than is a person whose decayed tooth has not been properly filled by a dentist. The only difference is that after the tree cavity has been covered, if the work has not been properly done, the tree has no way of making its trouble known except by further decay.

Within the last decade there has been a great increase in demand for surgeons to repair decaying shade trees but the possibilities of practising fraud in this profession, like the instance just cited, have tempted so many unreliable people to dabble in the science that tree surgery has fallen somewhat into disrepute. The U. S. Department of Agriculture, realizing that commercial tree surgery should occupy a high place in the estimation of the public, has recently issued a pamphlet entitled, "Practical Tree Surgery," wherein suggestions are made for improvement along these lines.

As in all professions, there are reliable and unreliable men and firms competing for contracts in tree surgery and many individuals who have had faith in tree surgery have lost it through following the advice of unreliable tree surgeons who claimed to be able to diagnose a case, but whose main interest was to collect a good sum of money for their work.

Besides the careless filling of decayed cavities in trees, there are other practices of certain so-called "tree surgeons" that do the trees more harm than good. Many of these "surgeons," as well as the people who employ them, do not realize the danger arising from fresh injuries to a tree. Just as a person is subject to infection through cuts and scratches, trees are rendered subject to infection by having their living bark torn. Notwithstanding this, many tree surgeons use pruning hooks and climbing spurs and cut fresh gashes in the tree. The use of climbing spurs should be particularly avoided on trees in vicinities where there is a contagious infection.

The U. S. Department of Agriculture is suggesting a plan that may help put commercial tree surgery on a better

basis. Owners are urged to have a definite written contract with the tree surgeon they employ, and the following is suggested as a model for such contract:

1. No climbing spurs shall be used on any part of a tree.
2. The shoes worn by the workmen shall have soft rubber bottoms.
3. Ordinary commercial orange shellac shall be applied to cover the cut edges of sapwood and cambium within five minutes after the final trimming cut is made.
4. All cut or shellaced surfaces shall be painted with commercial creosote, followed by thick coal tar.
5. All diseased, rotten, discolored, water-soaked, or insect-eaten wood shall be removed in cavity work and the cavity inspected by the owner or his agent before it is filled.
6. Only a good grade of Portland cement and clean, sharp sand in no weaker mixture than 1 to 3, shall be used to fill cavities.
7. The contractor shall repair free of expense any defects that may appear in the work within one year.

If the owner prefers to have a cavity filled with asphalt or other material instead of cement, the contract can be altered accordingly. If it is desirable to substitute some other preparation for shellac, this can be done. Similarly, under certain conditions, various other modifications may be made, although alterations in Nos. 1, 2, 5 and 7 should be made with caution. It may so happen that if all insect-eaten wood is removed, the tree may be dangerously weakened; under such conditions the diseased matter can be removed to solid wood and the cavity fumigated. Other suggestions along these lines may be found in the pamphlet issued by the Department.

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TEMPLATED.**

Jermyn, Pa.—Burton Parks, rebuilding.

Maquoketa, Ia.—H. L. Hill, one house.

Minot, N. D.—George Valker, three houses.

Rockford, Ill.—W. H. Burrows, house 24x250.

Elyria, O.—L. C. Hecock Floral Co., one house.

Dayton, O.—F. Mahan, three houses each 18x64.

Pawtucket, R. I.—Walter S. Sword, one house.

Orange, Texas—W. H. Stark, addition, 25x30.

Columbia, Mo.—Wheat Floral Co., house 20x60.

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STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1 1/2 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
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August Rolker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade Export



The best **PAPER POT** for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

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401 Oaks St.,
Waltham, Mass.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

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Bemidji, Minn.—A. E. Webster, house 24x60.

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Baltimore, Md.—T. W. Gray, Catonsville, two houses.

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Council Bluffs, Ia.—L. H. Reams, West End, rebuilding.

Carson City, Mich.—Carson City Floral Co., one house.

Sullivan, Ind.—Harry Richmond, West street, one house.

Rocky Ford, Col.—A. Nelson, Rocky Ford Floral Co., one house.

Long Beach, Cal.—E. W. Burnie, 412 E. 20th street, one house.

Ashtabula, O.—Lake Shore Greenhouse Co., range of houses.

Baraboo, Wis.—Wm. Toole & Son, Pansy Heights, house 25x50.

Battle Creek, Mich.—Battle Creek Sanitarium, vegetable house.

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St. Elmo, Tenn.—Fred C. Higley, 508 East 33d street, three Lord & Burnham houses each 30x150.

The Department of Parks of the City of New York, are erecting a range of greenhouses consisting of full iron frame, bent eave, and semi-iron construction, contract for which has been awarded to S. Jacobs & Sons.

More Red Devil Cutters Used Annually Than All Others Combined



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Send 6c. for sample No. 024 and Booklet 40 styles, and understand why.
SEND FOR BOOKLET ANYHOW.

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Are Leaders in

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OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

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The name that assures "the most for the money" in

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Write for Bulletin No. 47 and you will see why.

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28King's Road, N. Tonawanda, N. Y.

ECONOMICAL WATERING

Let me show you some large installations of the

Skinner Irrigation System

in Greenhouses near you. These outfits have been put in, not for FUN, but for

PROFIT**GEO. N. BARRIE**

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Telephone Connection.

FOLEY

Builds Good Greenhouses

TRY HIM.

THE FOLEY GREENHOUSE MFG. CO.

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Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

QUAKER CITY MACHINE CO.,
Richmond, Ind.**Little Ads Bring Big Returns**

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed**GLASS**

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

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USE IT NOW.

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12 W. BROADWAY
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Drive easy and true - because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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Sample free**HENRY A. DREER**
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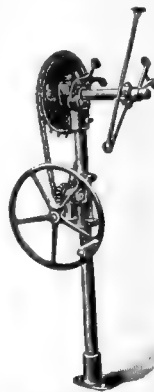
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John G. Esler, Sec'y Saddle River, N. J.**Order Now****BUY DIRECT—**

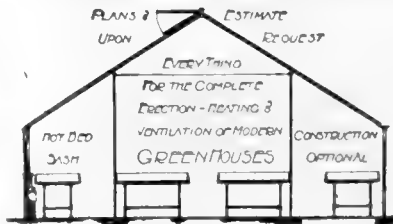
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Richmond, - Ind.**S. JACOBS & SONS**

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Florist Specialties, New Brand, New Style, Hose "RIVERTON" Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., 14.50 c.
2 Reels, 1000 ft., 14 c.
3/4 inch, 13 c.
Reels, 500 ft., 12.50 c.
Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.



Wait Till You Get Our Special Offer Before You Order Any Sash

FOLLOWING our yearly custom, we are making a Special September Offer on our Sash That Last. It is good on either Single or "Double Lite."

The offer will be mailed some day next week, to all the names on our list.

Your name may be on that List, and it may not.

The only way to get the special price is to use the coupon attached to the Offer.

So the surest way to be sure, that your name is surely on our mailing list, is to fill in your name and address on the spaces below, tear off the coupon and slip it into an envelope, and mail to us.

Do that very thing right now before it slips your mind. Make sure of getting right in on the ground floor prices.

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Send me your Special Sash Offer.

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Vol. XX
No. 12
SEPT. 19
1914

HORTICULTURE



Anthericum Liliastrum giganteum

Published Every Saturday at 11 Hamilton Place, Boston, Mass.
Subscription, \$1.00.

DREER'S ARAUCARIAS

The chances are that there will be no imports of Araucarias from Belgium this fall which is certain to result in a scarcity of this plant for the holidays. We are carrying our usual large stock of spring imported plants, and we would advise you to cover your requirements. There has been no advance in price, and the plants are of the usual good quality.

Araucaria Excelsa

4 inch pots, 5 to 6 inches high, 2 tiers....	\$.30 each
5 inch pots, 10 to 12 inches high, 3 tiers....	.60 "
6 inch pots, 12 to 15 inches high, 3 to 4 tiers	.75 "
6 inch pots, 14 to 16 inches high, 4 tiers....	1.00 "
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LIST OF ADVERTISERS

Page	Page	Page	Page	Page	Page
Advance Co.....443	Cowee, W. J.....432	Hail Association.....443	McConnell, Alex.....428	Plantlife Co.....441	Smyth, Wm. J.....428
Albany Cut	Craig, Robt. Co.....436	Hjalmar Hart-	McKenna & Son,	Foehlmann Bros.....432	Stamford Seed &
Flower Ex.....434	Critchell, C. E.....432	mann & Co.....427	P.....429	Pulverized Ma-	Nursery Co.....429
Allen, J. K.....434	Crowl Fern Co.....405	Hall & Robinson.....429	McManus, Jas.....434	nure Co.....441	Stearns, A. T.
Anderson, S. A.....429		Hart, Geo. B.....434	Metropolitan Ma-	Quaker City Ma-	Lumber Co.....443
Aphine Mfg. Co.....441		Heacock, Jos.....424	terial Co.....443	chine Co.....443	Storrs & Harri-
Aschmann, G.....416		Henderson, A. &	Meyer, John C.	Randall's Flower	son.....416
Asmus, Geo.....430		Co.....416	Co.....431	Shop.....429	Stumpp, G. E. M.....428
Ayres Co., S.		Hess & Swoboda.....428	Meyer, Chas. F.....415	Reed & Keller.....434	Stumpp & Wal-
Bryson.....427		Hews, A. H. &	Michell's Seed	Reid, Edw.....432	ter Co.....424-441
Badgley, Riedel		Co.....442	House.....426	Renter's.....430	
& Meyer.....434		Hilfinger Bros.....442	Michigan Cut	Rice, M. Co.....429	Thorburn, J. M.
Barrie, Geo. N.....443		Hill, E. G. Co.....432	Flower Ex.....432	Rochrs, J. Co.....425	& Co.....427
Barrows & Son.....416		Holland Nurser-	Millang, Chas.....434	Roland, Thomas.....425	Thurlow, T. C.
Bayersdorfer, H.		ies.....425	Montreal Floral	Rolker, A. &	& Sons Co.....416
& Co.....41		Holm & Olson.....428	Exchange.....434	Sons.....415-442	Traendly &
Bay State Nur-		Irwin, R. J.....416	Nash.....434	Rosery, The.....428	Schenck.....434
series.....414		Kasting, W. F.	Murray, Samuel.....428	Schiller.....430	
Bobbinck & At-		Co.....432	National Nursery-	Schling, Max.....429	Valentine, J. A.....428
kins.....414		Keller, J. B.	man.....411	Schultheis, A.....416	Vick's, James
Boddington, A.		Sons.....428	Nicotine Mfg. Co.....441	Schwake, Chas.	Sons.....427
T.....425		Keller, J. M. Co.....416	Niessen, Leo Co.....432	& Co.....415	Vincent, R., Jr.
Bolignano & Son,		Kentucky Tobac-	Oechslin, Ernest.....416	Sheridan, W. F.....434	& Sons Co.....415
J.....427		co Product Co.....411	Onwerkerk, P. J.....425	Sharp, Partridge	Wants, For Sale.....439
Boston Florist		Kervan Co.....434	Palmer, W. J. &	& Co.....413	Ward, R. M. &
Letter Co.....432		King Construc-	Son.....428	Siebrecht, Geo.	Co.....416
Breck, J. & Sons.....427		tion Co.....442	Park Floral Co.....428	C.....434	Warendorff, A.....428
Breitmeyer's, J.		Komada Bros.....431	Parshelsky Bros.....443	Siggers & Sig-	Weber, F. C.....429
Sons.....428		Kramar, F. H.....429	Peirce, E. Allan.....442	gers.....443	Welch Bros.....432
Bryan, Alonzo J.....416		Kroeschell Bros.....445	Pennock-Median	Skidelsky, S. S.	Whittier & Co.
Burpee, W. A. &		Kuebler, W. H.....434	Co.....411	& Co.....427	W. B.....414
Co.....427		Lager & Hurrell.....425	Penn the Florist.....429	Slus & Groot.....427	Wood Bros.....416
California Seed		Lemon Oil Co.....441	Pierce, F. O.....443	Stall, J. H. &	Woodruff, S. D.
Growers' Asso.....427		Leonard Seed Co.....427	Pierson, A. N.....416	Sons.....429	& Sons.....427
Carter's Tested		Loebner & Co.....	Pierson, F. R.	Smith P. J.....434	Woodrow Mar-
Seeds, Inc.....427		415-427	Co.....430	Smith & Co., E.	ketos.....432
Childs, John		Low, Stuart &	Pierson, F. R.	D.....441	
Lewis.....427		Co.....424	Co.....411	Smith & Hemen-	Young, A. L.....434
Clarke's, D.		May & Co., L. L.....429	Plant Food Co.,	way Co.....442	Young, John.....434
Sons.....428		McCarthy, N. F.	20th Century.....441	W & T	Young & Nugent.....428
Corine, F. E.		& Co.....432		Nursery Co.....414	Zinn, J. A.....429
Nursery Co.....424					Zvolanek, A.....432

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 436, 437, 438, 439

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When Writing to Advertisers Kindly Mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be promptly received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Mignonette

Mignonette loves a cool and airy house where the temperature can be kept near 45 degrees at night. Never let mignonette suffer for water at the roots. Watch out for the green caterpillar as they often lay a late batch of eggs which are bound to cause trouble if not looked after. Give the plants proper support so the young shoots do not get all bent. When they are allowed to grow crooked no support will put them into shape again. Sideshoots should be carefully removed so the whole strength will be thrown into the spike. Give them a syringing on good days early in the morning. When the spikes show well give liquid cow manure once a week. These will enlarge the spikes and help the crop that is to follow.

Freesias

It is time to make a successional planting of freesias. A great quantity of these is not wanted at any particular time but a succession should be kept up; 55 to 60 degrees at night will suit them and plenty of sunlight. The freesia is worth a bench—such a bench as you would use for carnations or mignonette. Four inches of soil is enough. Plant one inch apart in rows, and the rows four inches apart, a few hundred at once, and the same every month. The bulbs will start into growth quickly after September and should have full light as soon as the shoots appear above the soil. In planting freesias we find that the long thin bulbs give far better results than the thick, heavy ones usually sold. These long bulbs are easily raised by sowing the small bulblets moderately thick in flats, not cutting any flowers they carry at all and letting them ripen off gradually on a sunny shelf.

Liquid Feeding for Chrysanthemums

When once beds are filled with roots you can commence feeding the chrysanthemums. Liquid fertilizers are easily applied and cover a wide range and in their proper use is where the skill and care of the operator counts for more than anything particularly in the use of chemicals. Of the chemicals those most generally used are nitrate of soda and sulphate of ammonia, though potash in the form of muriates, nitrates and sulphates, is used more or less. The grower should take up this feeding question more in detail in a few weeks, but for the present with a mulch as recommended, our plants will do well enough and only an occasional very light dose of any chemical should be given. One ounce to four gallons of water is plenty strong enough to begin with and it should always be borne in mind that lighter and more frequent feedings are very much to be preferred

to heavier doses. Cow manure and sheep manure are always preferable to any chemicals. A half bushel of the former or a peck of the latter to 40 or 50 gallons of water makes an ideal liquid feeding for chrysanthemums.

Summer Flowering Bulbs

Achimenes, gloxinias, gesneras, tuberous-rooted begonias, etc., as they pass out of flower should have water gradually withheld until they have had time to thoroughly ripen up. Place the bulbs in some dry corner of a cool house where they will not be liable to get too much water. Many bulbs are lost every year for the want of proper care at the right time. If there is not room in the houses they can be placed in a frame covered with sash and can stay until heavy frost makes it dangerous for them to remain out any longer, when they can be removed to a dry shed leaving the pots on their sides. Later on shake them out and store in boxes where the temperature does not fall below 50 degrees.

Violets

The amount of heat the violet house should have will have to be determined by the character of the weather. The main thing is that the temperature must not rise above 45 degrees with fire heat. During the daytime, even in cool weather, it will be necessary to withhold artificial heat and open all the ventilation possible. In a warm atmosphere the leaves will push out very rapidly although scarcely any flowers will appear. Continued warmth above the danger line mentioned is fatal to the production of flowers. Another precaution to be observed in growing violets under glass is to never water them after 10 o'clock in the forenoon. The soil should be well drained and kept only moist. In applying water do not wet the entire bed unless it is dry all over. In dry places involving only one plant, while the remainder of the soil is still moist, the dry places should be watered and the remainder of the bed left untouched. The violet house should be fumigated once every ten days or two weeks. If leaf spot appears pinch off all affected leaves and then dust with dry Bordeaux mixture. Another good remedy is to syringe the plants with a solution of potassium sulphide made by one ounce of the sulphide to a gallon of water.

Salvia

If you have not all ready lifted some of your dwarf salvia, such as Zurich, you should lose no time in doing so. Salvia Zurich comes much truer from cuttings than from seed. These can be potted up into 5-inch pots and grown on through the winter. Where given good care they will give one batch of cuttings after another.

Mr. Farrell's next notes will be on the following: Gardenias; Cocos; Orchids; Perennials for Pots; Snapdragons; Propagating Sand.

A Chance for Home Industries

In our last week's issue attention was called editorially to the possibility of the production in this country of various staples which the horticultural trade of America have been accustomed to purchase in Europe, particularly such material as lily of the valley pips, azaleas, rose stocks, etc., which are produced mainly in the countries now at war. Quite a number of interesting comments have been received from firms prominent in the American trade, all expressing hope and confidence that in the near future we might be relieved of our present dependence upon imported plant material. The following extract from a communication from the house of H. A. Dreer of Philadelphia will, we believe be read with much interest by the plant growers of this country.

Mr. William J. Stewart, Care HORTICULTURE, Boston, Mass.:

"Dear Mr. Stewart—To the best of our knowledge no one in this part of the country has been propagating manetti stocks for budding or grafting purposes, but we think some of the growers in the vicinity of Los Angeles, during the past two years, have been offering manetti stocks in a commercial way and were prepared to enter into contracts for the production of this stock in competition with European imports. Quite a few seedlings are grown, particularly in part of New Jersey of the Japanese multiflora rose, which is gaining favor as a stock for budding for outdoor planting. We, ourselves, have been experimenting along these lines and have at the present moment a number of thousands of seedlings growing for this purpose. We believe that manetti can be grown here more profitably than considerable of the nursery stock which is now propagated

here. As far as we know, no one in this country has been propagating azaleas extensively, but, we have been convinced, for the past twenty years that this can be done here. If someone were to adopt the Belgian method of growing these plants and locate in some section of New Jersey where peat and water were plentiful, we are positive that an article can be produced superior to the foreign stocks and at a price which will give a working profit on same."

L. A. Berckmans of Augusta, Ga., says:

"For many years we have grown Indian azaleas in large quantities, but we do not train the plants to heads like those imported from Europe. Our plants are grown from cuttings. As soon as they are properly rooted they are potted in azalea soil, and as soon as all danger of spring frost has passed, the plants are placed in lath-covered frames in open ground. During the summer the plants are pinched whenever necessary, so as to make them bushy. In October, before frost, the plants are lifted from the frames, potted and placed in the cold house. Sometimes these young azaleas can be left in the beds in open ground the entire winter, but as we usually shove them during the summer they grow very late during the fall, and sometimes an early freeze in November is apt to injure the young growth; hence we take the precaution of lifting the plants and placing them in the cold house. We grow very few of the double azaleas, the demand being mostly for the large-flowering single varieties, such as Indica Alba, Marie Louise, Crysterian, Perfection, Coccinea Major, Vervaeneana Duc De Rohan and about fifty other good sorts. We have never grown this plant for the floral trade, and they are usually sold to nurserymen, parks and private parties in the south for open ground planting.

Owing to the European war we are having considerable demand for these azaleas for forcing purposes, but the plants will hardly have sufficient bloom buds on them for forcing.

A Convention Garden Suggestion

Editor HORTICULTURE.

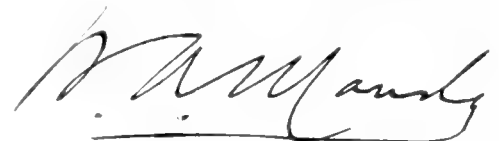
Dear Sir: I am pleased with your editorial on page 388 of the HORTICULTURE under "Convention Garden Possibilities." As this pet scheme of mine has finally, after twenty years, come to realization I would beg to suggest the following:

To fully justify the remarks and compliments that are thrown at us by the heads of the visiting municipality that by our presence there the interest for horticulture and floriculture in the community would receive a lasting impression, a better and more permanent monument to our visit in any city in this great country would be if we could leave behind us an American Florist Convention Garden, a garden designed and planted with stock which would be left after the close of the convention and in fact grow to its full maturity and beauty in years to come. This, as wisely stated in your editorial, it would take at least two years to accomplish, so that the right spot to make an entirely new Convention Garden or a section of a public park or land to be

devoted to Convention Garden purposes could be selected and planted a year or a year and a half in advance of the convention. If this had been done twenty-four years ago at the first convention in Boston what a grand monument would have been placed to the credit of American florists and how proudly we could have pointed to it this year as what we did twenty-four years ago!

Of course to accomplish this the sanction of the city authorities or park departments would have to be gotten first. The space allotted for it to be free of charge and mostly such material planted as would be permanent for which the exhibitor would receive at least part remuneration to cover freight and express charges, planting, care and perhaps a fraction of the value of the stock.

This is a simple suggestion which I trust will have a full discussion in your paper and receive the attention of the officers who are now guiding the destiny of our society.



South Orange, N. J.

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by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communication should invariably be addressed to the office of HORTICULTURE.

Liquid Manure

We prefer not to use liquid manure on Beauties until after the new year sets in, but with teas it is different, and if their growth and stockiness will warrant it, a dose of liquid manure every now and then will prove of great value towards making them move right on. We would not advise using chemicals to make up the manure water, for these would be more like stimulants than the plant food that the plants need so badly to grow real good. Cow manure will make a good liquid manure, and a little bonemeal can be added to this whenever it is necessary. We generally take a bag of it, and empty half of it into another bag, and then throw the two bags into the tank where the manure water is mixed. It will dissolve the bone gradually and take it to the plants with the liquid. The same may be done with soot, but a whole bag of this had better not be put in all at once unless the tank is extra large, for the soot will dissolve a little faster than the bone, and there is some danger of getting too much of the soot into the liquid manure. In watering with the liquid manure, see that all the plants are plenty wet enough at the roots, and that none of the liquid is allowed to splash over the leaves. It might not burn the leaves, but would discolor them more or less and would show that someone has been careless. The best time to apply liquid manure is when the plants have started to produce a good growth. The manure will help this along, and the stems of the coming crop will be just so much longer. As soon as cool weather sets in, it will be safe to apply liquid manure in moderate doses.

Tobacco Stems

Now that the plants are well advanced in growth, it will be wise to stop using tobacco stems for fumigating, if these have been used all along. These are all right in the summer when the plants are not cutting, but as soon as the plants begin to cut, and the roses are of any value, it will be better to use some of the many papers advertised, or else use spray, even though the last two may be more expensive. Tobacco smoke is very bad for rose blooms, especially white, and if used when the crop is coming on the centers will be practically all burned out of the blooms. Never apply the smoke in very strong doses, as it is better to fumigate oftener and not use the smoke too strong. This is also true of the spraying.

Anthericum

Considering the great diversity in genera and species offered in hardy herbaceous plant catalogues the outsider is apt to take it for certain to find in modern American gardens adequate richness in variety, heightened by discrimination in selecting the material and subsequent originality in floral effects. As far as the average comes in question, I am afraid, in the main, we fail to come up to reasonable expectations. In looking over the contents we find ourselves confronted with a remarkable sameness both in plant material and its arrangement. Granted, we employ species of merit; we give proof of our sensitiveness in regard to harmony in color combinations, but after all, we remain loath to avail ourselves of anything beyond the well known traditional lines. This self-confinement to a very limited number of species deprives us more or less of our opportunities to exert individual ingenuity. The garden owner, as amateur, looks to the horticulturist for practical leadership and the rank and file of the latter apparently lack ambition. Certainly, we have as exceptions here and there—gardens testifying to the mastership of their originators in handling and taking full advantage of the present wealth of beautiful plant material at our disposal. These are examples which at a glance show the thorough familiarity with the practical growing part of designer and caretaker; examples testifying to an innate love for the work done. Without those qualities we are bound to fail. Love creates the enthusiasm necessary for extraordinary results; the experience as growers keeps us aware of the limitations set by the cultural requirements of plant species. Practical knowledge alone safeguards artistic ingenuity from indulging in mere fantastical exploits, which, as utter failures, bring discouragement, blocking our road for advance. Object lessons of this kind demonstrating the present need of experience in the field of practical growing are by no means rare.

At a recent visit to one of Philadelphia's most advanced herbaceous gardens your correspondent had the pleasure of enjoying the attractive old-time picture of a few clumps of *Anthericum Liliastrum*, the well known St. Bruno's lily. The narrow grass-like foliage and the long spikes of small white flowers, sweetly fragrant, awakened in the beholder's mind vivid reminiscences of the past. We have lost sight of this garden inmate of bygone days and are delighted to see it again. Similar impressions are gained when we find ourselves confronted with plantations of the St. Bernard's lily, *Anthericum Liliago*. But both species, of late, have been by far eclipsed by *Anthericum Liliastrum giganteum*. This new giant form of the old St. Bruno's lily, bearing stately spikes of large white flowers, resembling miniature Madonna lilies, represents one of the choicest materials for the refined garden of today. Plantations of the size shown by our illustration possess an irresistible charm. Perfectly hardy, a rather light, but well enriched soil with ample drainage is essential for thrifty growth. For northern districts the open sunny exposure is a necessity. In the Middle Atlantic States light partial shade seems to prolong the flowering season during June and early July. *Anthericum Liliastrum giganteum* may be raised from seed sown in early spring. To a limited extent we can propagate by division of the root-stocks. Leaf-covering during winter will prove the best material for protection.

Richard Roth

Glenside, Pa.

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CONTENTS

Page

COVER ILLUSTRATION—Anthericum Liliastrium giganteum	
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Mignonette—Freesias—Liquid Feeding for Chrysanthemums—Summer Flowering Bulbs—Violets—Salvia—John J. M. Farrell	417
A CHANCE FOR HOME INDUSTRIES	418
A CONVENTION GARDEN SUGGESTION—W. A. Manda	418
ROSE GROWING UNDER GLASS—Liquid Manure—Tobacco Stems—Arthur C. Ruzicka	419
ANTHERICUM—Richard Rothe	419
THE S. A. F. AND THE F. H. A.—Edwin Lonsdale ..	421
BOSKOOP, HOLLAND, IN THE WAR	421
BRITISH HORTICULTURE—W. H. Adsett	421
CLUBS AND SOCIETIES—Gardeners' and Florists' Club of Boston—New York Florists' Club—New London Horticultural Society—Westchester and Fairfield Horticultural Society—Connecticut Horticultural Society—St. Louis Florist Club	422
Club and Society Notes	423
Dahlia and Fruit Exhibition at Boston	424
A CALIFORNIA WELCOME—Edwin Lonsdale	423
SEED TRADE—California Seeds and Bulbs—Notes ..	426
OF INTEREST TO RETAIL FLORISTS—Important to Growers, Florists and Wholesalers—Max Schling ..	428
Flowers by Telegraph	429
New Flower Stores	430
DURING RECESS—The "Old Guard" Association—Newport Ball	431
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Knoxville, New York, Philadelphia	433
San Francisco, St. Louis, Washington	435
OBITUARY—J. B. Stuessy—J. Theo. Voorneveld—Harry C. Cook	442
MISCELLANEOUS:	
Massachusetts Agricultural College Notes	421
Vincent's Annual Dahlia Show	421
Personal	421
Summer Home and Conservatories of Albert E. Elser—Illustrated	423
Monmouth County (N. J.) Fair	423
New Corporations	424
Publications Received—Catalogues Received	426
Chicago Notes—Washington Notes	430
San Francisco Notes	430
A Remarkable Gladiolus Exhibit—Illustrated	431
Knoxville, Tenn., Notes	431
Some Good Growers	435
Philadelphia Notes	435
View in Carnation Range—Illustrated	440
Trouble with Hollyhocks—C. S. Harrison	440
An Iris Manual	440
Visitors' Register	440
Greenhouses Building or Contemplated	442
Patents Granted—News Notes	442

A story is now going the rounds of the daily press that a beautiful new flower has been evolved by a resident of California who has succeeded in "budding a rose to a blackberry bush." That must indeed be a wonderful thing even for that State of prodigies and wizards in

horticulture. Why not make a convention garden for the edification of the S. A. F. visitors next summer, composed entirely of all these resplendent Californian marvels. Taking all that we have read of for the past few years they ought to make quite a respectable garden as to extent and amazing enough to attract an attendance from the ends of the earth.

An optimistic view

Unemployment and business depression already much in evidence—especially in export and import lines of the horticultural trade—have brought the gloomy side of the present situation home to the majority of our readers and the outlook seems to be decidedly blue for the coming season. But there seems to be a silver lining to hope for—at least in one direction—and that is in the retail flower business. One of the wise men in that line with whom we have been talking took exception to our pessimistic forecast and said that on the contrary he looked for a good season for the retail florists of this country as the wealthy people of America will stay at home this winter instead of going to Europe, will entertain here and spend their money here; that the flower business is bound to be prosperous, and that there is no cause whatever to feel in the least discouraged. We sincerely trust this diagnosis will prove correct—and it affords us much pleasure to pass along the cheering word.

The children's exhibition at Boston

The annual exhibition of the products of children's gardens held at Horticultural Hall, Boston, September 5 and 6, is worthy of more than a passing notice. It was a great success and showed the progress that has been made in recent years in the development of the interest in gardening among the children of Massachusetts. The large and side halls of the building were filled to overflowing with plants, flowers, and vegetables grown in school and home gardens in many cities and towns of the State. The exhibits showed marked improvement in quality and arrangement over any previous year and most of them would have been creditable to older exhibitors. The show was largely attended and the interest and enthusiasm of the young gardeners was a notable feature. Two hundred awards were made ranging from twenty-five cents to six dollars, aggregating three hundred dollars, of which one hundred dollars was the appropriation of the State of Massachusetts for the encouragement of agriculture among the children of the Commonwealth. The Massachusetts Horticultural Society was the pioneer in this country in the work of interesting the young people in horticultural pursuits. As far back as 1878 the first exhibition of the children's work was held, which has been continued in various forms without interruption to the present year. The seed thus early sowed has taken root and spread with great rapidity so that now the horticultural education of the children is demanding attention of our leading educators and already finds a place in many of our schools. The criticism of our public school system that it educates the scholars for a city life is doubtless true and the effort to call attention to agricultural and horticultural pursuits is worthy of the highest and most liberal encouragement.

THE S. A. F. AND THE F. H. A.

Editor HORTICULTURE:

I read with much interest your editorial for August 29. I had noticed indications coming from Secretary Esler that he felt the Society of American Florists had not given the Hail Insurance Association all the endorsement which the secretary thought was due to that very worthy child of the equally worthy parent organization, which is not an evidence of strength on the part of the secretary for, as it looks to all broad-minded persons, the Hail Association would not have come into existence had it not been for that grand organization the Society of American Florists.

It is quite true every member of the S. A. F. did not endorse with enthusiasm the coming of the Hail Association, and when on that Friday evening during convention week at Philadelphia 1886,—after the members had been having a good time during the afternoon at, "Wootton" the country estate of the late Geo. W. Childs, they did not at first take kindly to the serious work of considering the organization of the Hail Association, at an evening session and, indeed adjournment had actually taken place and quite a stampede was in progress to vacate Horticultural Hall, when the writer met J. C. Vaughan, who said "this is a put-up-job" (or words to that effect) and some of us proceeded to turn the tide and enough members were brought back to reorganize for an evening session. After some few differences of opinions duly expressed we eventually heard Mr. Esler read his plan, which with some alterations proposed by Mr. May was adopted and an organization devoted to Hail Insurance became a reality. This took place in connection with the second convention of the Society of American Florists, which was held in good old Philadelphia. Meetings have been held annually during the conventions of the parent society.

It would be better after all these nearly thirty-years to acknowledge the power of the Society of American Florists and make it still more powerful by a general affiliation. Everyone recognizes Secretary Esler's ability as the executive officer of the Hail Association, and gives him due credit for the good work he has done in making the association the success which it is.

Yours truly,

EDWIN LONSDALE.

MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

In the Floricultural Department there is an increased enrollment in each course. Professor Nehrling's effort to make floriculture a standard profession should receive earnest support. The chrysanthemums in the new houses are in fine condition, quite free from disease, and many fine blooms will be exhibited in Northampton at the Holyoke and Northampton Gardeners' and Florists' Club's exhibition.

The classes in landscape gardening are also increasing. Special attention is given landscape students in the course on Plant Material, which takes up the identification of trees, shrubs and herbaceous perennials.

No one has been secured as yet to take charge of the Market Gardening Department.

W. H. HATHFIELD.

BOSKOOP, HOLLAND, IN THE WAR.

The following communication has been received from the American Export Nurserymen's Society at Boskoop. We gladly give it space in our columns.

Editor HORTICULTURE:

Since the first of the month of August, the European war is raging with an intensity such as the world has never experienced before. The glorious discoveries of the times of peace, ingenious and practical as they are, are now misused for purposes of war, for killing and destroying and the more skilful the product of science became, the more effective they now prove to be. We are happy to state that Holland so far kept neutral and we have the most decided assurance that our government will keep this up with every might and power. This is for us a great consolation as we have no desire to mingle in the great fight against nations with which we have lived in peace for ever since we can remember and for which we have feelings of friendship only.

The neutrality of Holland places us in the happy position that we can ship to several countries. It may be that there will be some delay as we will depend upon the steamships available, but we are assured that the Holland-American Line will keep up its service and that there will be no increase in freight rates and insurance premiums except a little addition to the latter when molest is included. We can report that owing to the favorable weather all during the growing season the stock is in beautiful condition and there is plenty of help to keep it so. Packing and shipping will therefore find no or little delay. Prices have not changed materially on account of the war. The growers do not feel like sacrificing on same since it is certain that conditions may change soon. Nurserymen and florists who placed their orders with Boskoop houses can depend upon receiving their goods as usual without increase of cost. It is sincerely to be hoped that the war may soon be over and that the higher human motives may ultimately triumph in Europe.

VINCENT'S ANNUAL DAHLIA SHOW.

The Annual Dahlia Show at the establishment of R. Vincent, Jr., & Sons Company at Whitmarsh, Md., will open on Sept. 29, continuing five days, and promises to excel any of its predecessors in glory. The B. & O. R. R. will put on an extra special train each day and have promised a special through from Washington on Thursday, Oct. 1, which will carry the Washington florists, members of Congress, Department of Agriculture and Board of Trade of Washington. This train will stop at College Park to take on the party from the Maryland Agricultural College.

The stir is in our blood; the sap flows swift.

A pause—and then the autumn whirl of wings.

Youth flying south. See! Where the sharp frost stings

The trails blaze crimson! In the valleys lift

Mysterious purple mists! Through the wind's moans

The wonder songs of life's great overtones.

A. HENSLEY

BRITISH HORTICULTURE.

Some Effects of the War.

An indication of the changed conditions which have arisen as the outbreak of the war was afforded me when I recently paid a visit to the hall of the Royal Horticultural Society in London. The familiar scene of the leading floral exhibits now bore a severe military aspect, with the arms and accoutrements of a detachment of soldiers stationed there, whilst on an open space fronting the hall were all the hurry and bustle of a nation arming for conflict. The fortnightly shows of the Society are now suspended until happier conditions prevail. The autumn show of the National Rose Society has been abandoned, and the same thing has happened with regard to several of the leading provincial shows. One great change which will be made by the war is the stoppage of the seed supplies from Germany. Hitherto this has been an important feature in the horticultural trade. The absence of Germany as a competitor in the future should be advantageous to the British traders. Our own firms do not contemplate that there will be any serious shortage on this side owing to the cutting off of this source of supply. It was anticipated at the outset of the war that the shipments of bulbs from Holland would be seriously interfered with. Thanks to our command of the sea there have been several shipments lately. It is satisfactory to find that the Dutch bulb farmers are unlikely to have this important market cut off from them.

A Timely Caution.

W. Cuthberston and C. E. Pearson have issued a circular on behalf of the Council of the Horticultural Traders' Association of Great Britain and Ireland. They advise the members to avoid a pessimistic view of the situation as far as possible, and to continue their businesses on normal lines. The Council feels that anything in the way of a panic, resulting in the dismissal of employees would throw out of employment many thousands of one of the most deserving classes of workmen in the country. "It should be remembered," the circular adds "that gardens are not altogether a luxury, but minister largely to the food supply and health of our population, and garden owners will be doing public service by maintaining them in a good condition, and thereby providing private employment for many thousands of workmen. This will also prevent a large area of land from going out of cultivation, to the ruin of many of those concerned, and the reduction of the food supply of the country." W. H. ADSETT.

PERSONAL.

R. Vincent, Jr., of Whitmarsh, Md., who has been suffering with a severe attack of lumbago contracted on his way home from the Boston Convention, is now better.

William Ferre, a florist of 197 Ferry street, Newark, N. J., who is warbound in Europe, has been heard from by his brother-in-law, Louis Holzhauser. Mr. Ferre had cabled that he had reached Rome, but did not know how soon he could get away from there.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

There was an excellent turnout of members of all ages and classes at the first meeting of the season, which took place, Tuesday evening, September 15. Two exceptionally good vases of flowers were shown a vase of Golden Glow chrysanthemums by Herman Bartsch of the W. W. Edgar Co., and one of gladioli by William Sim. Mr. Sim, being asked as to the best commercial varieties for cut flowers recommended Europa for white, America for light pink, Mrs. Francis King for scarlet, Niagara for yellow, Halley for orange red and Legerfurst for dark red.

A discussion on the question of reviving the landscape garden class for the coming season developed a strong sentiment in favor, several instances being mentioned where pupils of past classes are today occupying head positions which they could not have filled without the knowledge there acquired. Messrs W. N. Craig, F. E. Palmer and Wm. Downs were appointed a committee to consider and report at next meeting.

J. Heurlin who has just returned from the war country after some exciting vicissitudes, told briefly of the devastation in Belgium. He spoke enthusiastically of the rock garden at Copenhagen, where no less than 1400 varieties of alpine were in flower and advocated a greater use of this class of plants here. He had some interesting notes on new roses, irises, montbretias, phloxes, astilbes, etc., which he had seen in the various gardens and nurseries of Germany and elsewhere.

The "Question Box" occupied a good part of the evening. "What wisdom have we gained from the late Convention?" drew out remarks from many, all of whom acknowledged benefit in one or another respect. Robert Cameron, Duncan Finlayson, President Kennedy, Kenneth Finlayson, Wm. Downs, F. E. Palmer, A. P. Calder and W. N. Craig, all contributed their views, mainly appertaining to the Convention Garden in its local aspects. It was the general opinion that attention should be given to the Garden exhibits as they have progressed and matured and Mr. Craig's suggestion of a visit of judging committee to inspect its present condition was well received.

The consensus of replies to various other questions was that it is profitable to grow evergreens for cuttings during winter; that freesias should be grown in quantity during the coming winter; that Boston might wisely imitate New York in respect to a Spring Show; that cold nights and cold rains are responsible for much of the blight on outdoor melons and cucumbers; that fall planting is preferable for apples and pears but spring planting for stone fruits; that single violets should be housed from 12th to 15th of October. On the question of the value of the so-called everbearing strawberries, opinion was divided.

NEW YORK FLORISTS' CLUB.

There was an attendance of about 75 at the Club meeting Monday night. A report was made by Chairman Traendly of the Transportation Committee, many members speaking of the enjoyable time they had on the trip and the committee was discharged with the thanks of the Club. A vote of thanks was extended to Messrs. Sheridan, Smith, William Ford, Traendly & Schenck and the Growers' Cut Flower Co., for donating flowers for the purpose of decorating the tables and dining room of the steamer. William E. Marshall, chairman of the Outing Committee was unable to make his report, but promised to do so at the next meeting. The secretary was instructed to notify the officials of the Society of American Florists and Ornamental Horticulturists at the proper time that our club had the requisite number of members in the S. A. F. and would request representation in the next board of directors complying with the amendment adopted at the Boston Convention. John Donaldson captain of the bowling team, gave an account of how they captured the many bowling prizes. Max Schling made an interesting address requesting that a committee be appointed to outline a plan whereby our business could be improved; in other words, to better business conditions. This question seemed to be such an important one that President Duckham announced he would take it up at a future meeting of the club. A standing vote of thanks was extended to the Gardeners' and Florists' Club of Boston, and the Massachusetts Horticultural Society for courtesies extended at the time of the Convention. Julius Roehrs, who recently returned from Europe, gave an account of his exciting trip and the unfortunate conditions prevailing in Europe at the present time, but was under the impression that ultimately our business will be much bettered by the change in conditions and he had every reason to believe that we will have a good season the coming year.

The Committee on awards made the following report: Wm. Tricker, Arlington, N. J., Vase of *Buddleia variabilis magnifica*, vote of thanks; Bobbink and Atkins, Rutherford, N. J., Vase of *Canna* "Fire Bird," vote of thanks.

NEW LONDON (CONN.) HORTICULTURAL SOCIETY.

The September meeting was held on the 10th inst., when President Henry C. Fuller gave a talk on small fruits, going back in their history fifty years. There was a good attendance. It was announced that the Court House had been procured for the chrysanthemum show, which is to be held November 4th and 5th. There was a large display of flowers, a collection of roses from Reuter's, of Westerly, including Killarney Brilliant, E. C. d' Arenberg, Crimson Queen, J. L. Mock, Fire Flame, Mme. Elmond Rostand, Francis Scott Key, September Morn and Mignon. John Lewis Childs sent a large vase of gladiolus Snow King.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The attendance was fine at the monthly meeting of this society, Greenwich, Conn., Friday evening, Sept. 11. It was resolved at this meeting to extend thanks to the N. Y. Florists' Club for the hospitality and entertainment afforded to all those who traveled to the Boston convention on the same boat. A feature of this meeting was the competition for the prizes offered by Andrew Kennedy for three vases, three species of out-door flowers, for which there was a choice and interesting display. First prize was awarded to P. W. Popp and second to Fred Lagerstam. The thanks of the society was accorded to the other competitors for their very meritorious displays. Jas. Linane was highly commended for a fine vase of gladioli. Andrew Whitelaw was tendered a vote of thanks for musk melon The "Marvin." P. W. Popp, cultural certificate for display of 32 named gladioli. A feature of the next meeting, Oct. 9, will be a lecture by a prominent landscape gardener. There will also be an exhibition of dahlias for which prizes will be awarded.

P. W. POPP, Cor. Sec'y.

CONNECTICUT HORTICULTURAL SOCIETY.

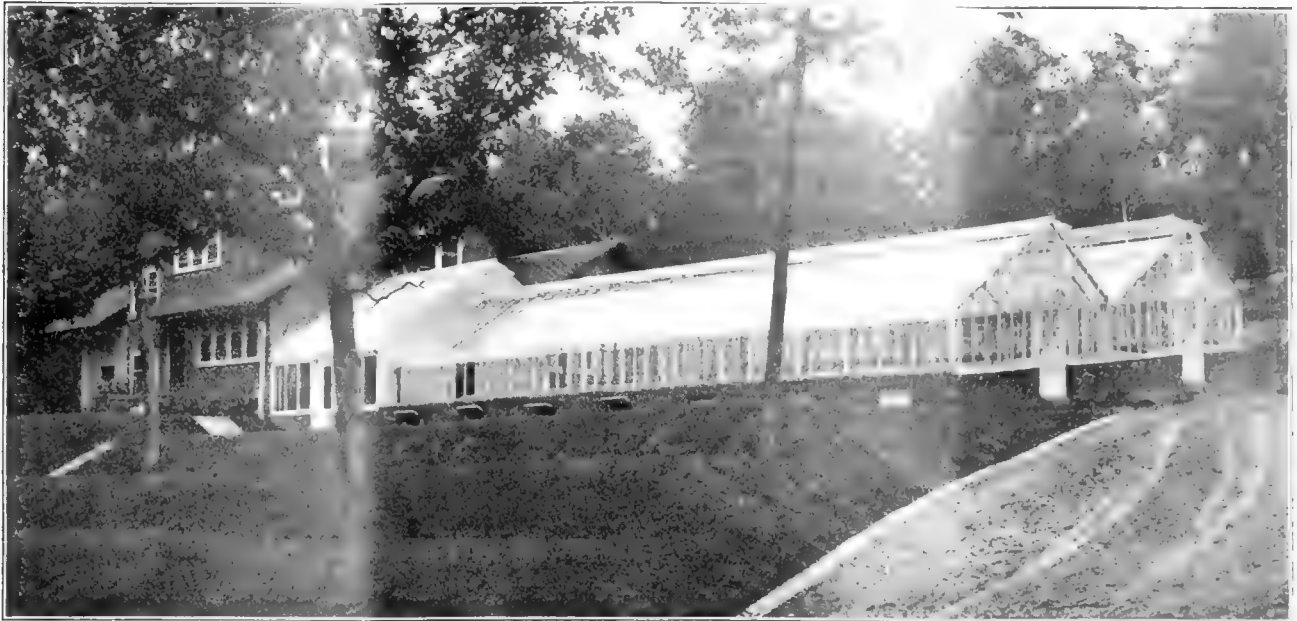
The regular meeting of the Society was held in the County Building, Hartford, on the evening of September 11. The premium lists for the annual Dahlia Show, to be held on September 23-24, were circulated among the members, and the society anticipates one of the finest shows ever presented to the Hartford public. John Lewis Childs, of Flowerfield, L. I., N. Y., exhibited two large vases of Snow King gladiolus the name being very appropriate as the blooms are as white as the driven snow and of exquisite beauty. Each spike was covered with twelve to eighteen white blooms. The judges awarded a first-class certificate which was approved by vote of the members. President Huss gave an interesting report of his trip to the S. A. F. Convention and to the Convention of Park Superintendents. The next meeting will be held on Tuesday, September 22.

ALFRED DIXON, Sec'y.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held its September meeting on the grounds of the Sanders Nursery on Thursday afternoon, September 10th. These meetings, when held at one of the members' homes, are always largely attended and this one was no exception to the rule; in fact, it was the largest attended meeting of the year, nearly fifty members being in attendance. State Vice-President R. J. Windler recounted the proceedings of the Boston Convention which were very interesting, especially as to the affiliation of the club with the S. A. F., and no doubt the club will soon have the required 100 members. The installation of the newly elected officers then took place with R. J. Windler and John

SUMMER HOME AND CONSERVATORIES OF ALBERT C. ELSER, NEAR MILWAUKEE, WIS.



This attractive combination of residence and greenhouses on elevated ground is the work of the Foley Manufacturing Company who have just completed the job much to the satisfaction of the proprietor.

Connon as installing officers: Jules Bourdet, president; W. S. Wells, vice-president; J. J. Beneke, secretary; W. C. Smith, treasurer; W. H. Rowe, trustee. The retiring officers were given a vote of thanks and the new officers took hold at once and proceeded with the meeting.

After adjournment Mr. Sanders asked the members to step into his home where they were entertained by Mrs. Sanders and her two daughters and a fine spread in the dining room. A rising vote of thanks was given the host and hostess just before leaving time. This meeting will go down as one of the best outdoor meetings the club has ever held.

CLUB AND SOCIETY NOTES.

The fifth annual flower show at Andover, Mass., was the largest and best thus far. Children's productions were largely shown. J. H. Playdon was chairman of the managing committee and G. D. Millett, George Piddington and other commercial florists also served.

The annual exhibition of the Medford, Mass., Horticultural Society was held on Saturday, Sept. 12, in one of the halls of the high school building. The quality of the various exhibits, which consisted of annuals, perennials, fruits and vegetables, was excellent. A very striking and interesting collection of the newer cannas, comprising 28 varieties, was staged by Hon. Wilton B. Fay. The centre pieces for dinner table were done by the society ladies, and I have seldom seen finer work in this line. The Massachusetts Horticultural Society would do well to secure some of these ladies when they have a similar competition. Mrs. Lester Williams was the winner over seven others. The whole was done with outdoor flowers and foliage. Excellent dahlias were shown by George Gill and J. W. Rockwell. Joseph J. Phelan had many prizes for well-grown annuals and vegetables. Miss

Gill was judge for the centre pieces and Messrs. Baler of Medford, Casey of Melrose and Johnson of Malden for flowers, fruits and vegetables.

GEORGE F. STEWART.

Medford, Mass.

A CALIFORNIA WELCOME.

To the Members of the S. A. F.: Welcome, thrice welcome to the Pacific Coast, Society of American Horticulturists. "Horticulture" and "Horticulturists" appeals to the undersigned as being broader than merely "Florists" or "Floriculture," and would seem to embrace all that is really necessary in a title to our good thirty-year-old S. A. F.

I do not believe it is necessary to have "professional" as part of that title, notwithstanding that fact that our capable and worthy president and my good friend—Theodore Wirth—has so recommended in his admirably written message to the fraternity. The fewer words used in a given title the better, provided same conveys all that is necessary. The "Ornamental Horticulturists" added to the Society of American Florists, has always appeared cumbersome. It may take some time to effect the desired change, yet come I feel it will, sooner or later. But no matter what the name the society comes under to the Panama-Pacific Exposition in San Francisco 1915, all the members composing same, will be welcome, WELCOME! Good accounts are spreading as to the progress in all the Departments being made towards having everything in readiness at the Exposition for the Opening Day, and the Horticultural Department is, I am assured, among those farthest forward.

Excursions to the Panama Exposition in its present state, are arranged at intervals by the Southern Pacific Railroad Company, and if my informant was not mistaken, as high as \$40,000 monthly are being taken in at the gates at 25c. admission. So far this writer has not had opportu-

ity of seeing for himself the progress made, but he hopes to do so when there are not quite so many details to look after on the Floradale Seed Ranch.

It is to be hoped a large gathering of the members can see their way clear to join in the trip, for it will be quite as easy for the leaders in horticulture, also the rank and file, to come to California, as it was for the same party to go to Cincinnati to the initial meeting thirty years ago. It goes without saying, we will welcome to the Burpee's "Floradale" Seed Ranch, all who will give us a call. At that season of the year, our sweet pea harvesting may be over, but we hope to have something worth inspecting at the time the convention will be held, namely in August.

Fraternally yours,

EDWIN LONSDALE.

Vice President for Southern California.

Lompoc, Cal.

MONMOUTH COUNTY (N. J.) FAIR.

This annual event, which took place at Red Bank last week was the equal of and in some respects superior to any previous record in the fruit, flower and vegetable departments. The tent for this section was 100x200 feet, of which the flower display filled fully one-half. The flower section was well set off by the exhibits of the Shrewsbury Nurseries, consisting of conifers and shrubs. H. A. Dreer also contributed much to the general effect with a fine display of aquatic plants and flowers. The prize schedule was divided into two distinct sections, for amateurs and professional gardeners, and both were filled to repletion, the list of winners being very lengthy.

Joseph W. Thompson was the director in charge of the vegetable exhibit. The judges in the professional class were W. H. Waite, Yonkers; John H. Johnson, Glen Cove, N. Y.; Thomas W. Logan, Jenkintown, Pa.; Alex. MacKenzie, Highland Falls, N.

HOT HOUSE GRAPES

Black Hamburg, Muscat of Alexandria, Alicante, Appley Towers, Gros Colmar, Gros Guillaume, Lady Downe's Seedling, Madresfield Court, Black Muscat

The above are grown in our own greenhouse and can be shipped immediately, if desired

Strong Fruiting Canes Planting Canes

R. & J. FARQUHAR & COMPANY
SOUTH MARKET STREET - - - BOSTON, MASS.

Stuart Low & Co., Bush Hill Park Nurseries ENFIELD, ENGLAND

ORCHIDS, 25 houses full.

PALMS, 40 houses full.

FRUIT TREES for garden, 100 acres.

FRUIT TREES, pot grown for Orchard Houses

FIG TREES, pot grown.

GRAPE VINES, pot grown.

ROSES, field grown by the 100,000

ROSES, pot grown for Pergolas and forcing.

CYCLAMEN SEED, very finest strain.

Our representative will be in the United States during September and October and will be pleased to meet or give particulars to anyone interested. Address

Mr. Harry A. Barnard, Hotel Albert, University Place, New York City

Y., and William Turner of Mendham, N. J., formerly of Oceanic. Charles C. De Wilde was superintendent of the floral section. The judging was done by John F. Johnson, superintendent of Killenworth, Glen Cove, N. Y.; Thomas W. Logan, superintendent of Crosswicks farms, Jenkintown, Penn.; Alex. MacKenzie, superintendent of Cragston, Highland Falls, N. Y., and W. H. Waite, superintendent of Grey-stone, Yonkers, N. Y.

DAHLIA AND FRUIT EXHIBITION AT BOSTON.

The Dahlia and Fruit Exhibition of the Massachusetts Horticultural Society on Saturday and Sunday, Sept. 12 and 13, was a varied and glowing display. The crack dahlia specialists who abound in eastern Massachusetts were out in force and their exhibits were representative of up-to-date achievement in decorative, cactus and other popular classes. The number of flowers shown would have been larger had the show been a week later. E. W. Ela, E. W. Dwyer, W. D. Hathaway, P. H. Mansfield & Son, Sisson & Thurston, F. L. Tinkham, George H. Walker, Miss Fanny Foster, Mrs. L. M. Towle, Geo. L. Stillman, Mrs. F. G. Dodge, W. C. Winter, George B. Hill and Fottler, Fiske, Rawson Co., were all prominent contributors in the dahlia section. Fine displays of herbaceous flowers from Eastern Nurseries, H. T. roses from T. N. Cook, and seasonable flowers from other contributors were fittingly recognized. William Nicholson was awarded a certificate of merit for *Buddleia variabilis* varieties and honorable mention was given Thos. N. Proctor and Geo. L. Stillman for seedling dahlias.

The fruit exhibits were numerous

PEONIES

Fifteen fine named Peonies for \$2.50, or 25 for \$5.00, all different and truly labeled, a chance to obtain a fine collection at half price, comprising such varieties as Festiva Maxima, Felix Crousse, Delachet, Achillea, Lady L. Brumwell, Couronne d'Or, Procheta Tricolor, Louis Van Houtte, and various other fine sorts. With any order of above for \$5.00 I will include one plant of Baroness Schroeder, free. I have the largest stock in America of Lady Alexandra Duff absolutely true and many other fine varieties. Send for catalogue.

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es, apples, melons, plums and grapes, were splendidly displayed.

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Geneseo, Ill.—L. K. Ellsberry & Co., seed growers; capital stock, \$10,000. Incorporators: G. D. Sutton, Lewis E. Sutton and L. K. Ellsberry.

Ashtabula, O.—Lake Shore Greenhouse Co.; capital stock, \$20,000. Incorporators: A. T. Ulliam, E. J. Harvey, R. C. Young and T. J. Jeffords.

Sharon Hills, Pa.—Robert Scott & Son; capital stock, \$15,000. Incorporators: Alexander B. Scott, Edward H. Schwartz and Sarah B. Scott.

Union Grove, Wis.—Union Grove & Yorkville Greenhouse Co.; capital stock, \$30,000. Incorporators: Wm.

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All true stocks of Winter-flowering Sweet Peas will again be scarce this season. The winter-flowering Spencer types are almost a total failure owing to the exceptional season in California this Spring, and through the ravages of Aphis.

We regret that our stocks of YARRAWA and ANITA WEHRMAN are entirely exhausted, also many other good varieties, but we can still offer the following while stocks last. Order at once to avoid disappointment—remembering that our stocks are true to name and while a little higher in price, will save you money in the long run.

ROSE QUEEN "ROSE QUEEN" is Orchid-flowering, borne on long stems, extremely free and early and of pink color most attractive, is a decided acquisition, and like all meritorious novelties is sure to be in demand wherever grown. Prices: Trade pkt., \$1.00; 3 trade pkts. for \$2.75; 1 oz., \$12.00.

THIS ADVERTISEMENT CAN BE USED AS AN ORDER SHEET

Remember, you may deduct 5% if cash accompanies the order.

	Oz.	¼ lb.	½ lb.	Lb.
...BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—Will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting.	\$0.25	\$0.75	\$1.25	\$2.00
...BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months.	.15	.50	.85	1.50
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...FLORENCE DENZER. Pure white.	.25	.75	1.25	2.00
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...MISS HELEN M. GOULD. White, open flower; standard lilac, marbled.	.35	1.00	1.75	3.00
...MISS JOSEY REILLY. Lilac; very large flowers.	.35	1.00	1.75	3.00
...MRS. ALEX. WALLACE. Lavender; very scarce.	.25	.75	1.25	2.00
...MRS. HANNAN. Deep rose pink; very pleasing shade.	.25	.75	1.25	2.00
...MRS. WILLIAM SIM. Salmon pink.	.25	.75	1.25	2.00
...MRS. W. W. SMALLEY. Satiny pink.	.25	.75	1.25	2.00
...MRS. F. J. DOLANSKY. Daybreak pink.	.50	1.50	2.25	4.00
...MRS. CHAS. H. TOTTY. Sky blue; late.	.25	.75	1.25	2.00



Sweet Peas of C. W. Curtis, Irondequoit, N. Y. Raised from Boddington's Quality Seed.

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...MRS. ZVOLANEK. Blue, variegated; good for variety.	.50	1.50	2.75	5.00
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California Seeds and Bulbs.

The California seed harvest is about over and shipments are being made on contracts, but it is evident that the deliveries in many lines will be very short. Many types of sweet peas are scarce, the crop in some lines being a complete failure; and onion seed, owing to the unusual prevalence of mildew in the principal districts, shows an extremely light yield. The cut-worm pest has seriously affected the lettuce output, and notwithstanding the curtailment of export shipments, there will not be enough to meet domestic demands. There is a stronger inquiry than usual for most varieties of California seeds ordinarily shipped east, but practically all new supplies are held under contract. For California bulbs there has been a good local demand in addition to a very heavy shipping movement of freesias to the east.

Notes.

Louisville, Ky.—Logan & Haggin have purchased the seed business of C. L. Seabee.

Louisville, Ky.—The Central Kentucky Bluegrass Seed Co., 111 Cheap-side avenue, has sold its field and garden seed department to C. Clay Goodloe, who will conduct the business under the name of the Goodloe Seed Co.

Hjalmar Hartmann & Co., Copenhagen have sent us a report stating that the harvest of their crops is proceeding very well, although there is a lack of help, as 60,000 men are called away for military service and will probably be kept under arms until the war is ended. As the Scandinavian Line has a regular bi-weekly service between Copenhagen and New York, it is hoped that shipments can be made promptly, if nothing unusual happens in the meantime.

PUBLICATIONS RECEIVED.

Morris County Gardeners' and Florists' Society, Schedule and Prize List of the 19th Annual Flower Show, to be held at Assembly Hall, Madison, N. J., on Wednesday and Thursday, October 28 and 29. A very neat and explicit program. Copies may be had from Edward Reagan, Secretary, Morristown, N. J.

School of Landscape Architecture, 114-15. This is No. III. Part 7 of the Official Register of Harvard College. It supplies complete details of the requirements, courses, etc., in this study as pursued at Harvard and general information of much value to anyone proposing to take up landscape work as a vocation.

The New York State College of For-

estry at Syracuse University has just issued three interesting bulletins. No. 1 (a) describes the reforestation of cut-over and idle lands in New York; No. 2 (b) is a very timely bulletin on rural and city shade tree improvement; No. 2 (c) tells about the state forest camp in the Adirondacks.

American Seed Trade Association—Proceedings of the 32nd Annual Convention at Hotel Raleigh, Washington, D. C., June 23, 24 and 25, 1914. Secretary Kendel is to be congratulated on the excellent and complete report he has issued. It will prove exceedingly valuable to the seed trade of America. A fine portrait of Ex-President C. C. Massie is used as frontispiece.

The Massachusetts State Forestry Department has just published a valuable 35 page volume, giving instructions for making improvement thinnings and the management of moth-infested woodlands. There are ten full page inserts of half-tone plates illustrating the text matter, which is by H. O. Cook and P. D. Kneeland under the direction of State Forester F. W. Rane.

Extension Circular, No. 8, of the Department of Floriculture N. Y. State College of Agriculture, furnishes some interesting information concerning the opportunities offered for young men in commercial floriculture in New York state and the equipment of the department of the college devoted to instruction in the art. Courses are outlined on the principles and methods of greenhouse practice, practical garden work, floral arrangement, store management, etc.

American Association of Nurserymen. The Proceeding at the 39th Annual Convention of this Association at Cleveland, Ohio, June 24, 25 and 26, 1914, has just been received from Secretary John Hall. It is characterized by completeness of detail and typographical excellence. A very large amount of valuable records, a useful nomenclature code and a complete list of the members give this publication a value of no small degree for anyone interested in the nursery business.

CATALOGUES RECEIVED.

P. J. Berckmans Company, Augusta, Ga.—Wholesale Trade Catalogue, for Nurserymen and Florists only. A fine select list of stock for both northern and southern planting.

Conard & Jones Co., West Grove, Pa.—New Floral Guide for Autumn, 1914. Golden daffodils, crocuses, forsythia and Persian yellow roses make a very bright pictorial cover effect.

Wm. Henry Maule, Inc., Philadelphia, Pa.—Price List of Fall Bulbs, Plants and Seeds, 1914. Brilliant reproductions of standard varieties of tulips, hyacinths and daffodils adorn the covers.

Stumpp & Walter Co., New York City.—Bulbs for Autumn Planting. This 1914 illustrated catalogue is an exceptionally beautiful production. The illustrations are very fine and the

MICHELL'S "Distinctive" Giant Cyclamen Seed

An English strain, grown for us exclusively by a grower of world renown; cannot be surpassed.

	100	1000
Seed	Seed	Seed
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White with Red Base	1.00	8.50
Pure White	1.00	8.50
Soft Pink	1.00	8.50
Salmon Pink	1.00	8.50
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For fuller description see my ad in July and August Horticulture or send for list. 1000 seeds, 25c; 5000, \$1.00; 1 oz., \$1.25.



\$1.25; oz., \$5.00. Princess New Upright Pansy. 500 seeds, 25c; 1000 seeds, 50c; oz., \$10.00.

CHAS. FROST
Kenilworth
N. J.

cover designs ornate and artistic. There are four color plates of tulips and narcissi, which add greatly to the effectiveness of the book.

Hjalmar Hartmann & Co., Copenhagen, Denmark—1914—15th Trade Catalogue of their specialties—viz. Danish Lilacs, Lily of the Valley, Roses and Giant Flowering Pansies. Messrs. Hartmann claim for their lily of the valley pips, qualities superior to even the best German strain. Loechner & Co., 11 Warren Street, New York, are their sole American agents.

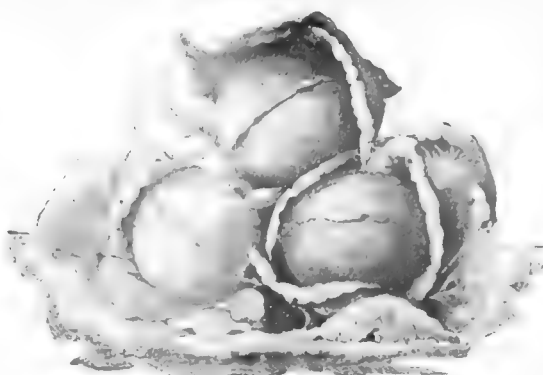
Ethelbert L. Davis, a florist employed by J. M. Collins, Mechanicville, N. Y., is confined to his home with a broken nose and severe lacerations and bruises to his face and other injuries about the body as the result of being brutally assaulted by an unknown Italian last Friday.

SLUIS & GROOT

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beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



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Early Roman Hyacinths.....	1.25	10.00
Freessias, Refracta Alba, extra large	3.00	29.00
Freessias, Purity	1.25	10.00
Dozen	2.50	22.50
Harrisil Lillies, 7-9.....	\$1.35	\$8.75
Longiflorum Formosum Lillies, 7-9	1.25	7.00
Calla Lillies, selected 5 1/4 to 6 in.	1.25	8.50
Chinese Sacred Lillies: Basket of 30 bulbs, \$1.25; hamper, \$4.25.		

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IMPORTANT TO GROWERS, FLORISTS AND WHOLESALERS.

A Talk by Max Schling to the New York Florists' Club.

Mr. President and Brother Florists: In the past few years, we have done a whole lot of writing and talking to find a way in New York to improve business for the retailers, to get better prices for the growers, to clear the surplus stock of the commission dealers. With one word—to help all of us to have a broader field for our products, to get more in touch with the public—not with the public who do buy flowers (they are touched often enough), but with the public we are not in contact with.

Our publicity committee who had posters printed and sent to different stores, about Mothers' Day and other days is for this purpose not sufficient. The posters which they sent out, only very few stores showed in their window or in any other prominent place. It was a lost effort. This advertising of one day brings a certain kind of flowers high in price for that one day only and then lets the price drop that much lower directly after.

For these conditions to be improved you need as a special committee, men who are in contact with the public and who are in the midst of retail life; men who have feelings with the public and who are willing to give some of their valuable time for the general good, and for this committee, I would suggest that you elect three wholesalers, three growers and three retailers and I believe the following would be the proper men to handle the situation:

Wholesalers—John Young, Walter F. Sheridan, George C. Siebrecht.

Growers—Wm. H. Siebrecht, J. Miessem, John Donaldson.

Retailers—George E. M. Stumpp, A. T. Bunyard and Max Schling.

And with us the club shall give a man with knowledge of business life and human nature and well-known ability to handle any situation. Patrick O'Mara, to help us in this work.

The new movement with the New York Free Public Markets, is preparing the public just for this kind of work. One of the ways to improve our business would be the following:

That the surplus of the stock our growers send to the city be sent to the free markets, which no doubt they would gladly do. The florists of New York to volunteer for two or three hours a week a couple of their salesmen to handle this stock and to sell it at a low price to those who are willing to buy a few flowers but who cannot afford to go to a store, who would gladly have flowers but who have no access to this so-called luxury except that they get it at a ridiculously low cost. We not only can bring light and pleasure into many poor homes in this way, but we also can help our growers to get a little return for their work. Ourselves we help a great deal by keeping the market free of over-surplus, and the wholesaler will be open for new stock which will find a better market when there is no "leav-

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Boston—Penn. the Florist, 37 E. Broad-
field St.

Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 140 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

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Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.

Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.

New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—A. Warendorff, 1193 Broad-
way.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

St. Paul, Minn.—L. L. May & Co.

Stamford, Conn.—"Quality Shop;" Stam-
ford Seed & Nursery Co.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

ings over," and we shall all be more sat-
isfied with ourselves by accomplishing
something which helps not only our
brother florist, but also ourselves.
Therefore it is better that we start in
as quickly as possible to get some-
thing accomplished instead of sitting
comfortably in our chairs and waiting
for other people to work until the legs
of our chairs rot beneath us.

A novel and very attractive way to
use the young "birds' nest" ferns,
which are being grown now in large
quantities in pans with many per-
forations in the sides through which
the ferns are inserted. Penn, the Bos-
ton florist has a window full and they
take well.

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CHICAGO NOTES.

The Kedzie Floral Co., 3401 West Madison street, has given up its large corner location and moved into a smaller place one door west.

Ernest Weinhoeber has the sympathy of the trade in the loss of his mother, Mrs. Emille Weinhoeber, who passed away on Sept. 12, aged 82 years.

The retail store of John T. Muir in the heart of the loop district has been closed. Mr. Muir said that the south side store paid much better and he will devote his time to it.

The J. C. Moninger Co. is going to try out winter greenhouse building this season. They propose to erect two more of the Gullett houses at Lincoln, Ill., 60 x 500 each. A message to the J. C. Moninger Co. announces the safe arrival in New York of Mr. and Mrs. E. T. Kurowski, Sept. 12. They were visiting relations in Germany when the war broke out.

A. Henderson has received advices during the past week that azaleas would be shipped to this country by way of Rotterdam. All his French bulbs are accounted for, but Mr. Henderson feels the impossibility of filling future orders, as he says that France was clearly stripped of all men between 19 and 49 years. He looks for a limited supply of lily of the valley from England where it is grown successfully, but never on a large scale. After his trip through Holland and later advices from there, Mr. Henderson states that he can see no reason so far why Holland bulb orders should not be filled with small delay. Also a letter to Poehlmann Bros. brings news from the Belgium growers that they still have hopes of filling their orders for azaleas, but cyclamen and begonias will help the retail florist out, however, if the azaleas should fail to arrive.

It is customary at Poehlmann Bros. to plant their carnation houses almost exclusively with varieties that have proven their value. This year three new ones are being tested and their records carefully noted. They are Philadelphia Pink, Gorgeous and Champion. Philadelphia is showing a very fair amount of blooms. The deep rich pink of Gorgeous is admirable and the finely formed flowers are large for so early in the season. Champion shows a mass of buds and blooms, clear bright red. Though the blooms are comparatively small, its color and freedom promise well for it as a commercial variety. All the carnation houses are looking exceptionally well and already the daily cuts of the standard varieties are large. It is evident that much lies in the growing of a rose, as well as in the variety. An example is the rose Mrs. Chas. Russell, where it almost reaches the length of an American Beauty and quite reaches the price of Beauty. Three large boilers are being installed to heat the newest range at Plant "C," and the amount of coal used last year, 35,000 tons, will have to be increased this year.

WASHINGTON NOTES.

Peter Bisset, of the Department of Agriculture, is at present traveling through California on business for the Department.

Miss Nellie Brueninger, with Gude Bros. Co., is in Atlantic City, N. J., where she will spend a two weeks' vacation with her mother. Miss Beatrice Moss, with F. H. Kramer, is also absent from the city on her vacation.

Speaking of the army worm, this terror seems not to have passed, for the pests were seen in large quantities in Rockville, Md., recently and it is believed that the first warm weather will bring them out of the ground in large quantities. The Department of Agriculture is urging owners of lawns to be ever on the lookout and not relax their vigilance. If proper precautions are taken at the start the danger from the worms is minimized.

John Duff, superintendent of the Capitol Park, states that the report recently issued to the effect the army worm made havoc with the beautiful lawns which surround the Capitol, is without fact. As soon as the pest made its appearance liberal doses of Paris green and Bordeaux mixture was distributed over the grass and shrubs and the heavy rollers were used to force the worms into the ground, thus killing them. The Capitol Park today presents a very beautiful sight and is very commendable. The tussock moth proposition was equally well taken care of.

Prof. S. W. Wollenwebber, expert on plant diseases in the Department of Agriculture, while working in the interests of the department, studying plant diseases in Germany, when hostilities began, was drafted into the German army, he being a native of that country. Prof. Wollenwebber has been in the employ of the Department of Agriculture for the past two years but he had failed to take out papers for citizenship or even to file a declaration of his intention. Nothing was heard of him at the Department for several weeks until the receipt of his letter of resignation which will be accepted.

There is little doubt that we will yet get in all of this season's seeds, bulbs and plants. Under the Treasury Department there is what is called the Bureau of War Risks Insurance, which Bureau will have something to say within a few days as to how we may bring across those things which we are so much in need of in the flower business. The government plans to place insurance upon all cargoes sent from Europe to the United States in vessels flying our flag. At present this matter of obtaining ships seems to be the greatest difficulty. England has stated that she will not molest neutral ships carrying wares to America, and Germany has placed no embargo upon the transportation of certain of its productions. The other great difficulty rests in making payment for such goods, but here again the Treasury Department is coming to the aid of the importers for it is planning the formation of an exchange carrying on hand sufficient gold to meet the obligations of Americans in this respect.

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**FLORISTS AND
PLANTSMEN**

TARRYTOWN ON HUDSON, - N. Y.

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SAN FRANCISCO NOTES.

California florists are highly elated at the selection of San Francisco as the site of next year's national convention of the S. A. F., and also at the election of Daniel MacRorie of this city as vice-president of the society. They will do everything in their power to deserve the honor bestowed on them and can promise a royal good time to the visitors to the convention of 1915.

G. Rossi & Co. are preparing to bring out two roses, new in this vicinity, which they will begin cutting in November. They are now working on some large additions to their hot-houses both here and in Berkeley, and are putting in 20,000 Easter lilies. Mr. Rossi is taking a vacation at present, and will probably be away the rest of the month. H. Avensino, proprietor of the Fairmont Floral Company, has just purchased a second automobile for delivery service. Domoto Bros. are making an unusually heavy planting of lily bulbs for the winter trade.

NEW FLOWER STORES.

Middletown, O.—G. A. Beckman.
Rochester, Minn.—The Bragg Flower Store.

Newark, N. J.—Timney & Kugel, 41 Market street.

Chelsea, Mass.—Toma & Harvey, 429 Broadway.

Providence, R. I.—Joseph Solomon, Arcade market.

Ithaca, N. Y.—Hillside Floral Shop, Howard E. Stern, prop.

Bloomington, Ill.—Wollenreiter & Co., Interurban building.

Winchester, Mass.—Winchester Flower Store, Wesley F. Ewell, prop., 522 Main St.

During Recess

The "Old Guard" Association.

Friday, Saturday and Sunday, as HORTICULTURE's readers peruse these lines, history of the juicy, jubilant brand will be in the making at Waretown, N. J. "Who are the Old Guards?" you ask. Well, John Burton is president and George C. Watson is secretary and "Commodore" John Westcott donates the use of the camp on Barnegat Bay. That tells sufficient—everybody will know the rest. Twenty is the limit numerically of the party, but if they have a limit in any other respect we are not aware of it. We hope the fish and not the mosquitoes will bite freely, the waves dance merrily and the sun shine brightly on this closing frolic of the season at happy, care-free Waretown.

Newport Ball.

The 16th annual ball of the Newport Horticultural Society was held in Newport beach pavilion on the evening of September 8, the affair being one of the closing affairs of the Newport season. John T. Allen was floor manager, his assistant was Col. Herbert Bliss, and the aids William McKay, Hugh Meikle, John Urquhart, Frederick Carter and Alexander Fraser. On the reception committee were A. K. McMahon, James McLeish, Alex. McLellan, John T. Allen, William McKay, Richard Gardner, James Sullivan, Bruce Butterson and Andrew S. Meikle.

KNOXVILLE, TENN., NOTES.

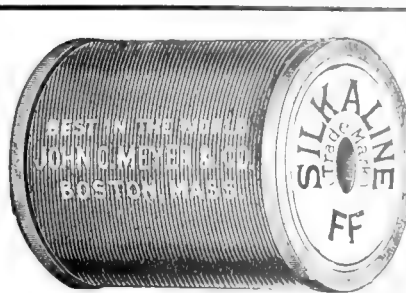
Addison J. McNutt reports business better for the last week than any time this summer.

Crouch's are having both the interior and exterior of their store done over, getting ready for fall and it will present a very pleasing appearance when finished.

Chas. L. Baum has the agency for the Nicotine Mfg. Co., and sells Nicotine and Aphs Punk. He reports an extremely good trade in this line, shipping to most every point in his territory, which is good evidence that the bugs are busy.

The Howell Nurseries report more orders than usual for fall delivery. They have been notified that the chances are good to get stock contracted for in France and Holland. Bruce Howell spent a part of last week in Asheville, N. C. The Southern Nursery Convention at Chattanooga, Tenn., was a very successful meeting.

Chas. L. Baum, president of the Knoxville Florists' Society, entertained this body at his home Monday evening, Sept. 7. A large crowd was present, including all members and a number of friends of the society. A very pleasant evening was spent, the old as well as the young enjoying the different games, which were at times exciting and very enthusiastic. After the fun refreshments were served, and it was at a late hour when the crowd made its departure, all having enjoyed themselves to the utmost and wishing the evening had been twice as long. Dr. Sam Boyd, an honorary member of the society, won the applause of all when, approaching the house but still



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...to you at the convention, and don't for-
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...es., 1, fine, 11, medium, and
...FTT, coarse. All first class jobbers sell
...MEYER GREEN SILK-LINE.

A REMARKABLE GLADIOLUS EXHIBIT.



Our picture shows a partial view of the phenomenal display of gladioli, made by William Sim at Horticultural Hall, Boston, on the occasion of the visit of the S. A. F. to that city. The group of visitors introduced in the photograph serve well for purposes of

comparison by which to judge the unusual size and vigor of the flower spikes. This was the most wonderful display of gladioli ever staged in this country and, as with most things that this skillful grower does, has been the subject of interesting comment ever since the convention.

at a distance from the scene of merriment, he stopped and sang "Beautiful Star of the Evening," which was indeed very beautiful and appropriate. "Dr. Sam," as he is generally known among his friends, is not a florist, but is a very ardent admirer of flowers and a very close friend to all the florists, and has been an honorary member of the society for some time. Mr. Baum named his new white seedling carnation Dr. Sam (the registration of which was confirmed by the S. A. F. & O. H. this year), and during carnation season the doctor is known by the carnation he wears.

Asbury Park, N. J.—The suit of Wellington W. Kennedy & Sons of Red Bank, against the City of Asbury Park for \$115 was compromised last week by the city paying the Kennedy firm \$75 after which the suit, which had been started in the District Court at Asbury Park, was discontinued. Kennedy & Sons exhibited flowers at the Elberon Horticultural Society's third annual show at Asbury Park in July, 1912. The show was held under the auspices of the city. Through the pub-

licity Bureau, the city sent a letter to the secretary of the show, stating that the City Publicity Bureau would guarantee all prize money at the show, not to exceed \$1,910. The Horticultural Society printed this letter on their premium list. It is thought several other suits of like character will now be started against Asbury Park, as a number of prize winners at that show have not yet received their money.

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WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 14		CHICAGO Sept. 15		BUFFALO Sept. 15		PITTSBURG Sept. 14	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00	15.00	to 18.00
" Fancy and Extra.....	18.50	to 15.00	10.00	to 15.00	12.00	to 15.00	10.00	to 12.50
" No. 1.....	8.00	to 10.00	4.00	to 8.00	10.00	to 12.00	4.00	to 6.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Ordinary.....	2.00	to 4.00	2.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	5.00	to 8.00	4.00	to 5.00	6.00	to 8.00
" Ordinary.....	2.00	to 4.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00
Maryland, Taft, Extra.....	4.00	to 6.00	5.00	to 6.00	5.00	to 6.00	6.00	to 8.00
" Ordinary.....	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Russell, Sawyer.....	4.00	to 6.00	2.00	to 18.00	5.00	to 6.00	6.00	to 8.00
Carnations, Fancy.....	to 4.00	1.00	to 2.00	1.00	to 1.50	to 2.00	to 2.00	to 2.00
" Ordinary.....	to 2.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Cattleyas.....	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00	30.00	to 50.00
Lilies, Longiflorum.....	8.00	to 10.00	5.00	to 8.00	8.00	to 10.00	8.00	to 10.00
Lily of the Valley.....	4.00	to 5.00	4.00	to 6.00	to 4.00	to 4.00	2.00	to 4.00
Asters.....	2.00	to 3.00	1.00	to 3.00	.40	to 2.00	1.00	to 3.00
Gladioli.....	2.00	to 5.00	2.00	to 5.00	1.00	to 3.00	2.00	to 4.00
Corn Flower.....	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Chrysanthemums.....	to 8.00	to 20.00	15.00	to 20.00	to 20.00	to 20.00	to 20.00	to 20.00
Dahlias.....	2.00	to 4.00	to 2.00	to 2.00	1.00	to 2.00	.50	to 2.00
Sweet Peas.....	to 1.00	to 1.00	to 1.00	to 1.00	.20	to .30	to 1.00	to 1.00
Gardenias.....	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Adiantum.....	to 1.00	to 1.00	1.00	to 1.25	1.00	to 1.25	to 1.00	to 1.00
Smilax.....	to 12.50	to 10.00	to 15.00	to 15.00	to 15.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, Strings (100).....	to 50.00	to 50.00	to 50.00	to 50.00	40.00	to 60.00	30.00	to 50.00
" " & Spreng. (100 bchs.).....	to 35.00	to 35.00	to 35.00	to 35.00	25.00	to 35.00	30.00	to 40.00



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Flower Market Reports

BOSTON A fairly satisfactory situation exists at present in the wholesale trade of this centre. Roses are in very heavy receipt but notwithstanding this fact they are moving off very well. Some of them, such as Mock, Shawyer and Taft are of nice quality for so early a date, color being particularly good. Carnations, too, are beginning to assert themselves, some excellent ones coming in. Cattleys are hard to find, as are gardenias, also, but there is no special call for either. The gladiolus harvest is about over and those that come in now find a better market. Asters are a troublesome factor—too many by far and of these a large part are inferior. In asters, as with roses and carnations the whites are selling best. Chrysanthemums are few, thus far, and only medium as to quality, in most cases. Lilies have stiffened up somewhat in market value. Lily of the valley is a bit easier than it was last week and prices are weaker, but there is no over abundance in prospect.

BUFFALO Very little can be said of the market only that asters and gladioli still have the swing and the quantities received are abundant. Choice stock has had a good sale, but the ordinary has a hard road to travel. There has been an exceptional lot of roses and a slight improvement on the sales. A hard problem is how to dispose of the lilies at a price that would be agreeable to the grower. Lily of the valley has a fair sale, also Beauties, but nothing has sold at any big prices.

CHICAGO Trade continues rather quiet, and as there is a wealth of out-door flowers at this time, a killing frost is the only hope of the small retailer. The market is particularly well stocked with roses, the new summer varieties proving a valuable acquisition. The low price, however, will make growers think twice before planting so many next year. It has only proven again this summer that flowers must be good in order to sell when demand is light. There are a great many American Beauties coming now, more than the market needs, and very low prices are made on large lots. Asters are here by the thousands that have no place on a florist's table except for design work or cheap bouquets. Large, finely grown asters are selling well, but the rest go for little or are dumped. There is a fair demand for carnations, as there always is when asters are poor. New York asters are coming in in quantity. As there are not sufficient first-class home-grown ones, it does not injure the returns of the home growers. There are more lilies than can be used, a condition that has prevailed all summer. Lily of the valley is more appreciated each day, as the growers cautiously hang on to the cold storage pips. There is not much of a variety of out-door stock offered. Chrysanthemums are rapidly increasing in number and move fairly well.

KNOXVILLE, TENN. Weather conditions continue good, with just enough rain to keep the ground in good working shape, and everything that should be, is growing fine. The indications are that florists will have a very prosperous season, as

SPHAGNUM MOSS



Winter supply of Moss now. It is dry. The ten barrel bales are being covered with burlap to prevent being wasted.

Price of 10 barrel bales \$3.50 each

WILD SMILAX—We always have in stock. Price \$6.00 per case

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Sphagnum Moss, 10-bbl. bales
burlapped, per bale..... \$4.00
Wild Smilax, per case..... 6.00
Bronze Galax, per case of 10,000.. 8.50
Green Galax, per case of 10,000.. 7.50
Dagger Ferns, per 1000..... 1.50
Green Leucothoe, per 1000..... 7.50

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 17		ST. LOUIS Sept. 14		PHILA. Sept. 15	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	6.00	to 12.00	10.00	to 15.00	10.00	to 12.50
" " No. 1	2.00	to 4.00	5.00	to 8.00	3.00	to 8.00
Killarney, Richmond, Extra	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Maryland, Taft, Extra	4.00	to 6.00	4.00	to 5.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 3.00
Russell, Shawyer	3.00	to 12.00	4.00	to 5.00	1.00	to 8.00
Carnations, Fancy	1.50	to 2.00	2.00	to 3.00	1.00	to 1.50
" " Ordinary	.75	to 1.00	1.00	to 1.50	1.00	to 1.50
Cattleys	30.00	to 40.00	40.00	to 50.00	50.00	to 60.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
Lily of the Valley	4.00	to 4.50	3.00	to 4.00	1.00	to 4.00
Asters	.35	to 1.00	1.00	to 4.00	50	to 2.00
Gladioli	1.00	to 3.00	1.00	to 3.00	1.00	to 3.00
Corn Flower	.....	to .50	.....	to .20	.....	to .35
Chrysanthemums	6.00	to 12.50	.....	to 10.00	.....	to 15.00
Dahlias	1.00	to 2.00	.....	to 1.00	.....	to 2.00
Sweet Peas	.50	to 1.00	.....	to .35	.....	to .75
Gardenias	.....	to 20.00	.....	to 1.00	.....	to 1.00
Adiantum	.75	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (100)	15.00	to 50.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	25.00	to 50.00

stock of all kinds is making a vigorous growth and the prospects for business are good, although stock is rather scarce at present. Orchids, lily of the valley, lilies, roses and dahlias are plentiful.

NEW YORK It is a great pleasure to be able to say that business has improved all along the line. The cold snap has shortened up the supply and it is to be hoped that the present encouraging conditions will continue. The higher grade of roses, especially of the novelties, are finding spirited call and lily of the valley is meeting with good demand at \$5 per hundred. Lilies also have stiffened up in price.

No marked change in market conditions is noticeable since last report. The same dullness continues, perhaps a little more so if we are to believe reports from some quarters. From others we hear that it is in much better shape. There are fewer roses and fewer asters and the clean-up is far better. Some gladioli are still arriving. Lily of the valley is selling well, with demand good. Cattleys are very fair now, both as to supply and demand. Dahlias are just beginning to show form, although they are rather late this year on account of cold weather and lack

Continued on p. 434

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ROSES AND CARNATIONS		Last Half of Week ending Sep. 12 1914		First Half of Week beginning Sep. 14 1914	
American Beauty, Special	10.00 to 20.00	20.00	to 35.00		
" " Fancy and Extra	5.00 to 10.00	10.00	to 20.00		
" " No. 1	1.00 to 5.00	5.00	to 10.00		
Killarney, Richmond, Extra	.50 to 3.00	2.00	to 5.00		
" " Ordinary	.25 to .50	1.00	to 2.00		
Hillingdon, Ward, Sunburst, Extra	.50 to 4.00	3.00	to 5.00		
" " Ordinary	.25 to .50	1.00	to 3.00		
Maryland, Taft, Extra	.50 to 4.00	5.00	to 8.00		
" " Ordinary	.25 to .50	1.00	to 3.00		
Russell, Shawyer	.50 to 4.00	5.00	to 8.00		
Carnations, Fancy Grade	1.00 to 1.50	1.50	to 1.50		
" " Ordinary	.25 to .75	.50	to 1.00		

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Flower Market Reports

(Continued from page 1)

of rain. Carnations are a little more plentiful and the quality is improving very rapidly. Mr. Charles Russell is one of the leaders in the rose world, very fine at present and very popular.

In general, business is picking up, but has not

yet gathered much headway. Probably the matter of most interest is the beginning of the chrysanthemum season, offerings in this line at the wholesale flower market being larger every morning. The earlier varieties are now quite plentiful, and October Frost is beginning to show up well. The demand is improving, but prices are low. Roses are rather "between seasons," and offerings of most varieties are not very attractive. Very few really good American Beauties can be had; Maryland, Killarney and Cecil Brunner, however, are beginning to show up fairly well. Large plantings of roses have been made, as growers believe that the winter demand here will be unusually strong; and there is always a good shipping business to the north Pacific states. Orchids are temporarily scarce, but few of them are needed. Violets are appearing a little more freely, but show the effects of the prolonged dry weather. Carnations have not yet developed very well. Lilies are abundant and very fine, album, giganteum and formosum being shown in all the shops, and there will be no shortage of lily of the valley for the next few months.

Trade has not as yet shown any improvement, as was expected at the commencement of the fall season. The retail business is very dull and the wholesale markets have great difficulty in disposing of their stock at anything like the prices they should bring at this time of the year, and it looks as if we need cold weather and a few frosts to stimulate the business. The market has anything the season affords and in great abundance. To quote correct prices is out of question. Roses are so plentiful that many have to be dumped daily at extremely low prices; the same may be said of all other stock. Chrysanthemums are beginning to arrive and a nice lot of Golden Glow were seen last week.

The coming of the cool weather had the effect of cleaning up the market of cut flowers. Where roses came in the previous week by the thousands they are now coming in by the hundreds and the quality necessarily suffers because of the sudden change. The only rose in the market of which there is enough to go the rounds is the American Beauty; the other varieties are sold down close, and the demand for the American Beauty is not very great. Prices have shown few advances. Chrysanthemums and dahlias are beginning to be seen in the stores and the quality is quite good. Although some very fine asters are still to be had, the season for these in this market is over. The gladiolus is also now practically a flower of the past and the cannas in the public parks are on the wane. Tri-tomas are seen in fair quantities and are being used mainly for display purposes.

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New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

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Bronze and Green Galax, \$1.00 per 1000; per case of 10,000.

Sphagnum Moss, large sack, only 40c.

Fine by the pound, 5c, or by the yard.

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Southern Smilax, 50-lb. cases, \$5.00.

Green and Bronze Leucothoe Sprays, \$3.50 per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.

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MISCELLANEOUS

	Last Half of Week ending Sep. 12 1914		First Half of Week beginning Sep. 14 1914	
Cattleyas.....	20.00	to 35.00	50.00	to 60.00
Lilies, Longiflorum.....	1.00	to 3.00	4.00	to 5.00
Rubrum.....	1.00	to 3.00	3.00	to 5.00
Lily of the Valley.....	3.00	to 4.00	.....	to 5.00
Asters.....	.50	to 1.00	.10	to .50
Gladioli.....	.25	to .50	1.00	to 3.00
Corn Flower.....	.....	.....	.....	.....
Chrysanthemums.....	10.00	to 12.00	8.00	to 12.00
Dahlias.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	.....	.....	.....	.....
Gardenias.....	3.00	to 12.00	5.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	25.00	to 35.00
& Spren (100 bunches).....	15.00	to 20.00	15.00	to 25.00

SOME GOOD GROWERS.

We had the pleasure of a brief call at the Mathison Greenhouses at Waltham, Mass., recently and were pleased to find our old friend Jos. Lamb, formerly at the Hentz rose houses in Madison, N. J., "making good" in the management of this place. The roses certainly show that they have not an idle moment. The various Killarneys, most of them second-year plants, bristle with young buds and so does Richmond, but this latter is seeing its last year here, as Hadley is beating everything else in sight in vigor, stem, color, fragrance and all other desirable qualities and bids fair to become the reigning crimson.

One of the most rapidly developing establishments in the neighborhood of Boston is that of C. B. Johnson at Woburn. Mr. Johnson has had possession of the place only one year and it is already transformed. Two new houses have been built within that time, 40 by 200 feet., new heating apparatus installed and a 50 foot chimney of white pressed brick is now going up. There is some miscellaneous stock outdoors and in but carnations are the main crops. Here is a chance to compare the qualities of the several antirrhinums that are being exploited. Ramsburg's variety shows to best advantage, its color tint being decidedly preferable.

The Backer carnation houses at Billerica are again to the front as evidence of the skill of that clever carnation grower Gustav Thommen. We are safe in repeating what we have often heard asserted that Thommen has no superior in his specialty anywhere. Matchless, Champion and several other recently introduced sorts are here getting an opportunity to

demonstrate their good qualities. Two seedlings of more than ordinary merit now three years old, are worthy of special notice. One is soft pink, on the order of Fisher's Alice, and the other is bright dark pink.

PHILADELPHIA NOTES.

The Michell Seed Store announces a dahlia show Sept. 22 to 26 inclusive at 518 Market street.

Chas. Henry Fox arrived home on the S. S. Finland Sept. 14. He will address the Florists' Club on his European experiences first Tuesday in October.

Chas. L. Seybold, superintendent of parks, Wilkesbarre, Pa., passed through this city en route for Baltimore, accompanied by his wife, who goes there for medical attendance, having been quite ill since the Boston convention.

Visitors—Charles W. Edgar, B. F. Barr & Co., Lancaster, Pa.; James Brown, Coatesville; Mr. and Mrs. John Walker, Youngstown, O.; Sam McClements, Pittsburgh, Pa.; Mrs. Thos. McClintock, Scranton, Pa.; Mr. and Mrs. Bogart, Greensboro Floral Co., Greensboro, N. C.

Boston—Fire starting probably from spontaneous combustion in the floral wire design factory of J. Jansky on Province St. did a slight amount of damage and incidentally created a small panic in an adjoining cafe.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

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Asparagus plumosus, strong seedlings,
75c. per 100. E. A. WALLIS & CO., Berlin,
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Lorraine,	2 1/2 in.	Per 100,	\$12.00
"	3 in.	"	20.00
"	4 in.	"	35.00
"	5 in.	"	50.00
Cincinnati,	2 1/2 in.	"	15.00
"	3 in.	"	25.00
"	4 in.	"	40.00
"	5 in.	"	60.00

A No. 1 Stock. Cash or C. O. D., with
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For page see List of Advertisers.

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N. Y.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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\$25.00 per 1000. Cash with order, please.
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and a few Rose Pink Enchantress; nice
bushy plants, free from disease; \$5.00 per
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white, 2 1/2 inch pots, \$4.00 per 100. Cash
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Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 2000 for \$1.00 post paid. I. L.
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Cyclamen from 3 1/2 in. pots, \$15.00 per
100; 4 in., \$25.00 per 100; 5 in., \$50.00 per
100. Finest strain, separate colors.
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For page see List of Advertisers.

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Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

For List of Advertisers See Page 415

FERNS—Continued

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

A. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hillinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

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White Marsh, Md.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

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John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

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Lord & Burnham Co., New York City.

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King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

Pierson U-Bar Co., New York City.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Hitchings & Co., New York City.

Lord & Burnham Co., New York City.

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King Construction Co., N. Tonawanda, N. Y.
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For page see List of Advertisers.

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For page see List of Advertisers.

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Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

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Michigan Cut Flower Exchange, Detroit,
Mich.
For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobblin & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOT HOUSE GRAPES

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

Anton Schulthels, College Point, L. I., N. Y.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IRIS**THE IRIS! THE IRIS!**

200,000 in 225 varieties from \$1.00 per
100 to \$1.00 per root. Some of the finest
on earth. Send 10 cents for Iris manual.
C. S. HARRISON SELECT NURSERY,
York, Nebr.

German Iris—10 best cut flower varieties.
\$4.00 per 100. Iris orientalis, most profit-
able cut flower for Decoration Day, \$5.00
per 100. ROSEDALE HARDY PLANT
FARM, Camden, N. J.

IRIS 10 named varieties German Iris,
\$2.00 per 100. AMON HEIGHTS NUR-
SERIES, Camden, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville,
Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotline Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

Isaac Hicks & Son, Westerly, L. I., N. Y.
Guaranteed Nursery Stock.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

PANSY SEED

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

PEONIES.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.
Gold Medal Peonies.
For page see List of Advertisers.

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

Peonies: Marie Lemoine and other fine varieties. Write for list. THOMAS J. OBERLIN, Sinking Spring, Pa.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHLOX

PHLOX—Mrs. Jenkins (the best white) \$3.00 per 100. We need the room and have 20,000 surplus. AMON HEIGHTS NURSERIES, Camden, N. J.

PHOENIX

Phoenix Canariensis, fine large plants. \$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company, N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

PRIMULAS

PRIMULA Obconica grandiflora and gigantea Appleblossom, Rosea and Kermesina, 4-in. large plants, \$10.00 per 100, \$95.00 per 1000. Also 200 Cyclamen giganteum, mixed varieties, \$20.00 per 100. Cash with order, please. AUGUST SCHREIBER, 76 N. Main St., Hornell, N. Y.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Palmsville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY, West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

For page see List of Advertisers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association, San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds, Boston, Mass., and London, England.
"Seeds with a Lineage."
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Mitchell's Seed House, Philadelphia, Pa.
Colossal Mignonette.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
Asparagus Plumosus Nanus Seed.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. LAGER & HURRELL, Summit, N. J.

For List of Advertisers See Page 415

STOVE PLANTS

Orchids—Largest stock in the country.
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Arthur T. Boddington, New York City.
Christmas-Flowering Sweet Peas.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

C. C. Morse & Co., San Francisco, Cal.
New Sweet Pea Margaret Atlee.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati.

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

**Wholesale Florists (Continued)
New York**

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**CONDITIONS IN DENMARK.**

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Loechner & Co., New York City.
For page see List of Advertisers.

DAHLIAS.

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

GIANT CYCLAMEN SEED AND MIGNONETTE "COLOSSAL."

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

PEONIES.

W. L. Gumm, Remington, Ind.
For page see List of Advertisers.

SPHAGNUM MOSS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—A greenhouse man for a private place. One with European experience preferred. Wages \$80 per month. Send copies of references in first letter. Address A. B. C., care HORTICULTURE, 11 Hamilton Place, Boston, Mass.

WANTED—Section man on Roses. Apply to PEIRCE BROTHERS, Waltham, Mass.

SITUATIONS WANTED

WANTED—A responsible position by a competent young man experienced in greenhouse management and private estate work. Chance for advancement valued above salary at start. Massachusetts Agricultural College graduate who wishes to better his present position. Address "G. A." care of HORTICULTURE.

FOR SALE**MUST BE SOLD AT ONCE.**

Large Greenhouse Plant and Farm. Only plant of its kind between Worcester and Springfield. Five greenhouses, central heating plant, steam, two boilers, 150 H. P. Excellent local markets. Modern barn and dwelling house, town water, electric lights, bath, steam heat, piazzas, shade, all buildings in perfect repair. Sandy loam, free from stones, one-third mile frontage on beautiful lake. Can sell shore lots to pay for place. Price \$10,000, part cash. Address

PINE-CROFT GREENHOUSES,
E. Brookfield, Mass.

TO LEASE OR SELL.

Two Greenhouses, 5,000 sq. ft. glass, 2,000 Carnations, Violets and other plants. Good location, growing retail trade near cities, eight trains to Boston daily; dwelling house heated and plumbed, fine condition. Special inducements to early occupant. L. A. BOYNTON, Pepperell, Mass.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M.," care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAB-SHELSKY BROS., INC.**, 215-217 Have-meyer St., Brooklyn, N. Y.

Buy Your
Fall Stock
from
Horticulture's
Advertisers
The Benefit
will be
Mutual
Buy Now
and escape
War Prices

In writing to Advertisers kindly mention Horticulture



Who Reads Horticulture?

The man with a serious object in life, of progressive purpose and broad business aims; who is interested to know what the other successful men of the trade are doing and how they are doing it; who reads to learn and improve.

Find a regular reader of Horticulture and you will find he fits the foregoing qualifications.

If you have stock to sell, he is the man who wants to know about it; who is in a position to become a customer if you can suit him; who has the ability to pay for the goods.

Do you want to get in touch with him and do business with him?

If you do,

You Know the Answer

Your advertisement in Horticulture will get the attention of a larger percentage of such readers than in any other publication in this country.

Get Busy



VIEW IN CARNATION RANGE.

A. N. Pierson Co., Inc., Cromwell, Conn.



Photo. by T. H. Holland, Dorchester, Mass.

TROUBLE WITH HOLLYHOCKS.

The great trouble with these plants is to have them come true to name. You plant the seeds of large double ones and they often come single; no matter how careful you are in saving the seeds you can not depend on them. What is the trouble? Watch them while blooming and see how the bees work on them; that accounts for it, the bees ruin the pollen.

To avoid the difficulty the different sorts should be put as far apart as possible. We had one patch isolated and they came true and this is the solution of the problem. Raising and selling them is fraught with difficulty. As they are mostly biennials, you can not prove their color by blooming and so there is no end of vexation. Customers order double ones and they come single, while the grower may be honest, knowing he sowed the right seed. Seeds of the largest double ones are small and of poor vitality, they are high-priced and you do not get a good stand. Expensive seed from abroad is about as disappointing as any. The surest way is to raise your own seed in isolated patches.

C. S. HARRISON.

AN IRIS MANUAL.

We have just received a beautiful booklet on the iris from Mrs. Dean of the Iris Gardens of Moneta, California. It is as beautiful as art can make it. We have visited Mrs. Dean. She is a charming lady. Besides understanding her business, she has ransacked Europe and America and has one of the world's choice collections. The iris I noticed was well adapted to the soil and climate of California. I am sure from our experience in hot and dry Nebraska that they would do well anywhere in California without irrigation. The winter rains would carry them through the blooming season and they

would go through the rest of the year with good cultivation. If you want a beautiful descriptive manual send to Mrs. Dean, Iris Gardens, Moneta, California.

C. S. HARRISON.

York, Neb.

VISITORS' REGISTER.

New York—Frank Cuthbertson, of C. C. Morse Co., San Francisco.

Washington, D. C.—J. Rosnosky, H. F. Mitchell Co., Philadelphia, Pa.; John G. Heintz, Terre Haute, Ind.

Boston—S. S. Pennock, Philadelphia, Pa.; Luther Burbank, Santa Rosa, Cal.; William Plumb, New York City; Sam Woodrow, New York City; J. M. Perreard, Washington, D. C.

Philadelphia—Charles W. Edgar, B. F. Barr & Co., Lancaster, Pa.; James Brown, Coatesville, Pa.; Mr. and Mrs. John Walker, Youngstown, Pa.; Sam McClements, Pittsburgh, Pa.; Mrs. Thos. McClintock, Scranton, Pa.; Mr. and Mrs. Bogart, Greensboro Floral Co., Greensboro, N. C.

Chicago: L. J. Larsen, Menominee, Mich.; Otto A. Schroeder, with Carl Meier & Co., Green Bay, Wis.; James Currie, Milwaukee, Wis.; Ernest Strehle, St. Louis, Mo.; A. M. Augspurger, Peoria, Ill.; Wm. E. Tucker, Madison, N. J.; John Moritz, St. Louis, Mo.; James P. Keller, Lexington, Ky.; E. W. Siebrecht, of The Terre Haute Rose & Carnation Co., Terre Haute, Ind.; J. J. Karins, of Dreer's, Phila.

Among the things which at present time are making a glorious show in the Boston Convention Garden is the bed of *Gladiolus Rochester White*. As one gentleman connected with the park department truly says "Vick ought to be proud of it."

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING-VAPORIZING-FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN 30 Per Cent Strength **For Spraying**
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NIKOTINE MFG. CO. ST. LOUIS, MO.

POISON KIL - WORM POISON

Destroys Worms, Ants, etc., infesting Golf, Cricket Grounds, Parks and Lawns. Sure death to Snails. Does not injure Grass; causes the insects to come to the surface to die. (Must not come in contact with fine plants.)

One gallon Kil-Worm makes 50 gallons liquid when mixed with water.

1 qt., \$1.00; ½ gal., \$1.75; 1 gal., \$3.00; 5 gals., \$13.50.

POISON KIL - WEED POISON

A scientific Weed Destroyer—free from odor. An unsurpassed preparation for the removal of Grass, Weeds, Vines and Bushes from paths, etc. Saves expense of several men; can be applied with an ordinary sprinkling can.

One gallon Kil-Weed makes 30 to 35 gallons liquid when mixed with water.
 1 qt., 35c.; ½ gal., 60c.; 1 gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; 1 barrel, per gal., 65c.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every pkg.; write for circular.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
 \$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

FERTILENE

The Ideal Plant Food.

Unequaled for Producing Lusty Chrysanthemums

Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**



Unequaled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago



IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

AETNA BRAND TANKAGE FERTILIZER

Is the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil, and is giving satisfactory results wherever used. Our Compost, composed of manures rotted together from six to eight years, we ship in car lots f. o. b. Chicago. We sell all kinds of Manures in car lots.

FARMERS AND FLORISTS FERTILIZER CO.

809 Exchange Ave., Room 5.

Tel. Drover 1932

U. S. YARDS, CHICAGO, ILL.

AGRICULTURAL EXPERIMENT STATIONS

are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

"40% NICOTINE"

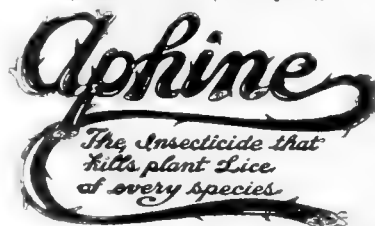
\$13.00 Gallon—\$3.75 Quart—\$2.00 Pint

Compare these prices with what you now pay.

NIKOTIANA

A 12% Nicotine solution properly diluted for vaporizing and fumigating.

\$4.50 Gallon — \$1.50 Quart.



The Recognized Standard Insecticide For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

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For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

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For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

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For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

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A tobacco preparation used by the best growers for dusting and spraying.

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Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Obituary

J. B. Stuessy.

Joseph B. Stuessy a well known florist of Louisville, Ky., died September 2, aged 66 years. He was an active member of the Kentucky Society of Florists and served as its president last year.

J. Theo. Voorneveld.

We have just learned of the death on Aug. 10 of J. Theo. Voorneveld at Beverly Cove, Mass. Mr. Voorneveld, whose death was very sudden, was a well known and highly respected gardener of Beverly.

Harry C. Cook.

Harry C. Cook, a well known Philadelphia florist, who conducted a retail store at 1208 South Broad street, died suddenly on the 10th inst., and was buried at Fernwood Cemetery on the 14th. He is survived by a widow and daughter, who were actively associated with him in the business. Mr. Cook was a man of quiet, amiable disposition, and was greatly esteemed by a wide circle of acquaintance. For some years he had been a great sufferer from inflammatory rheumatism. He was about 50 years of age. The business will probably be continued by the widow and family.

NEWS NOTES.

Los Angeles, Cal.—The East Side Nurseries of the Germain Seed Co., 3008 Main street, have been purchased by H. J. Gilbert.

West Hanover, Mass.—Edwards Bros. have purchased the greenhouses of Alpheus Packard and will remove them to Whiting street.

Montgomery, Ala.—The Morningview Floral Company establishment has been leased by H. E. Mitting.

GREENHOUSES BUILDING OR CONTEMPLATED.

Milford, Ct.—Mr. Tubbs, one house.
Hannibal, Mo.—E. A. Hodge, one house.

Iowa City, Ia.—A. G. Prince, two houses.

Omaha, Neb.—Chas. Ederer, two houses.

Marlottesville, N. Y.—Alex. Laub, two houses.

Antigo, Wis.—Joe Fritsch, house, 66 x 125.

Dayton, O.—Jos. I. Schaeffer, range of houses.

Allentown, Pa.—Adelaide Silk Mills, plant house.

Aberdeen, Miss.—Aberdeen Floral Co., additions.

South Bethlehem, Pa.—Conrad Bender, additions.

Orange, Tex.—W. H. Stark, palm house, 35 x 50.

Goshen, Ind.—E. L. Burt, additions and alterations.

Washington, D. C.—George Lavall, house, 24 x 100.

Council Bluffs, Ia.—C. E. Hinman, range of houses.

Portsmouth, Va.—Miss Ethel Only, range of houses.

Parkland, Cal.—Gus Gulberg, three vegetable houses.

Rochester, N. Y.—Charles W. Curtis, Lord & Burnham house.

North Attleboro, Mass.—John Nolan, Smith street, alterations.

Grand Rapids, Mich.—Lewis Kunst, Union avenue, one house.

Yankton, S. D.—Gurney Seed & Nursery Co., range of houses.

Louisville, Ky.—Geo. W. Eisenmenger, Boone lane, vegetable house.

Wilkes-Barre, Pa.—Mrs. W. L. Conynham, West street, one house.

Woodsfield, O.—James M. Bishop, Washington street, additions.

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GREENHOUSES

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28King's Road, N. Tonawanda, N.Y.

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STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

Houston, Texas—R. C. Kerr, conservatory over flower store, \$5,000.

Lincoln, Neb.—Chapin Bros., three houses; Frey & Frey, rebuilding.

Middle Village, N. Y.—John Fieber, Juniper avenue, one house; Joseph Klingenberg, Furman & Metropolitan avenues, range of houses.

PATENTS GRANTED.

1,109,687. Seed-Germinator and Plant-Forcer. Richard McCloy, Lynn Haven, Fla.

1,110,182. Weed Destroyer. Clayton O. Blandin, William T. Davis and William A. Reynolds, Denver, Colo.

Rockford, Ill. — The Auburndale Greenhouses have been purchased by A. E. Phillips & Sons, who will move the houses and enlarge them.

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Pecky Cypress Bench Stock

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THE A. T. STEARNS LUMBER COMPANY

BOSTON, MASS.

SHARP, PARTRIDGE & CO.

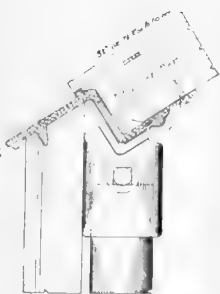
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GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

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IF YOU ONLY KNEW what a good leave the METROPOLITAN PATENT-ED is, you would use no other. It is made of cast iron and will not rust. That part of your greenhouse which in other constructions is the weakest becomes the strongest. Not this alone, it is ice-clearing and carries all the water of condensation from the inside, and it is so constructed that almost the entire end of the bar is exposed to the air, thereby preventing decay. Only one screw, about two inches from the end, is all that is necessary to secure the bars. For side stationary glass, wood headers are absolutely unnecessary, thereby causing no shade. Zinc glass stops are not necessary—the eave is made with a lug to prevent the glass from slipping. Let your next house be built with a Metropolitan Patented Iron Wall Construction. You will never regret it. Our price and service are right.



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BROOKLINE, - - MASS.

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TO aim at a thing is one thing. To hit that thing is quite another thing.

For years all the greenhouse concerns had been aiming to reduce the shade of their constructions and at the same time increase its strength.

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And you know what has happened since the very day the U-Bar hit the spot.

Just as near as possible builders have been continually trying to make their houses look like U-Bar houses. But *looking* like them and *being* like them is quite a different matter.

No house can be like the U-Bar because no other

house can be constructed with U-Bars. Putting a silk hat on a day laborer doesn't change him into a bank president; any more than putting a curved eave on a house makes it a U-Bar curved eave house.

There is *only* one U-Bar curved eave house and that's the house made with the U-Bar curved eave.

Of course it's for you to say whether you want the real thing or the "near real."

Most people nowadays are not very keen for imitations. They gladly pay the little difference in cost between the real and "near real."

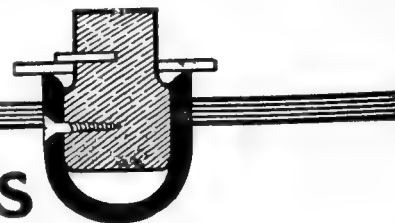
The real U-Bar excelling points are plainly pointed out on one page of our new catalog. Send for it.



Those of you who know the Dr. Allen place in Cleveland, know that everything about it is the very best money will buy. Nothing "near real", which accounts for his building this U-Bar show house with a range of parallel houses back of it.

U-BAR GREENHOUSES
PIERSON U-BAR CO

ONE MADISON AVE., NEW YORK
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Vol. XX
No. 13
SEPT. 26
1914

HORTICULTURE



A Typical Rose House
A. N. Pierson, Inc., Cromwell, Conn.

Published Every Saturday at 11 Hamilton Place, Boston, Mass.
Subscription, \$1.00.

Two Valuable Ferns

Asplenium Nidus Avis— The Bird's-Nest Fern And Cibotium Schiedeii— The Mexican Tree Fern

Having a larger stock of these two useful good selling varieties than we can conveniently find room for we are offering the sizes noted below at special prices to close out quickly. This is a prime lot of perfectly healthy plants in the best possible shape.

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2½ inch pots...\$1.50 per dozen; \$10.00 per 100; \$ 90.00 per 1000
4 inch pots... 3.50 per dozen; 25.00 per 100; 200.00 per 1000

Cibotium Schiedeii

3-inch pots, fine single crowns...\$3.50 per doz.; \$25.00 per 100
5-inch pots, double and triple... 6.00 per doz.; 50.00 per 100

Pteris Parkeri

Another valuable decorative Fern of recent introduction.

4-inch pots...\$2.00 per dozen; \$15.00 per 100
6-inch pots... 4.50 per dozen; 35.00 per 100



Asplenium Nidus Avis. Bird's Nest Fern.

FERN FLATS

The following varieties can now be supplied in flats of about two hundred plants each at \$2.00 per flat. This is fine strong thrifty stock just in prime condition for potting and will make saleable pot plants quickly.

Adiantum Cuneatum
Aspidium Tsussimense
Blechnum Braziliense
Cyrtomium Fortunei
Cyrtomium Cristatum

Onychium Japonicum
Pteris Adiantoides
" Cretica Albo Lineata
" Alexandrae
" Hastata

Pteris Magnifica
" Mayii
" Ouyardi
" Serrulata
" Cristata

Pteris Tremula
" Wimsettii
" Multiceps
" Wilsoni
" Victorine

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EVERGREENS,
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ANDROMEDAS.

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We have a large stock of Alyssum, Dwarf double and Giant Swiss, White and Pink, Hardy English Ivy, Lemon Arctostaphylos, Land plants, assorted; Coleus; Petunias, Double Mixed, 2 in. \$2.00 per 100, \$18.50 per 1000, 3 in. \$3.00 per 100, \$25.00 per 1000.

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Paper White Narc. & Roman Hyacinths, Dutch Bulbs,
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LIST OF ADVERTISERS

	Page		Page		Page		Page
Advance Co.	475	Conine, F. E.	456	Gude Bros. Co.	461	May & Co., L. I.	461
Albany Cut	466	Nursery Co.	456	Gumm, W. L.	457	McCarthy, N. F.	461
Allen, J. K.	466	Cowee, W. J.	464	Hail Association	475	& Co.	461
Anderson, S. A.	461	Craig, Robt. Co.	448	Hjalmar Hart-	461	McConnell, Alex.	460
Aphine Mfg. Co.	473	Critchell, C. E.	464	mann & Co.	459	McManus, Jas.	466
Aschmann, G.	448	Crowl Fern Co.	467	Hall & Robinson	461	Meyer, John C.	467
Asmus, Geo.	462	Dards	460	Hart, Geo. B.	466	Co.	467
Ayres Co., S.	462	Davenport, A. M.	448	Heacock, Jos.	456	Meyer, Chas. F.	447
Bryson	459	Dornier, T. &	448	Henderson, A. &	448	Michell's Seed	458
Badgley, Riedel	466	Sons Co.	448	Hess & Swoboda	460	House	458
& Meyer	466	Duer, H. A.	448	Hews, A. H. &	474	Michigan Cut	461
Barrie, Geo. N.	475	Dunlop, John H.	461	Co.	474	Flower Ex.	461
Barrows & Son.	448	Dysart, R.	467	Hilfinger Bros.	474	Millang, Chas.	466
Bayersdorfer, H.	462	Eastern Chemical	473	Hill, E. G. Co.	464	Montreal Floral	466
& Co.	463	Co.	473	Hitchings & Co.	476	Exchange	466
Bay State Nur-	446	Edwards Feeding	464	Holland Nurser-	457	Moore, Hentz &	466
series	446	Box Co.	464	ies	457	Nash	466
Boblink & Al-	446	Edrott, Wm. &	473	Holm & Olson	460	Murray, Samuel	460
khus	446	Sons	473	Irwin, R. J.	418	National Nursery-	460
Boddington, A.	457	Ernest, W. H.	474	Jacobs, S. &	475	man	460
T.	457	Esler, J. G.	475	Sons	475	Neoline Mfg. Co.	473
Bolzano & Son.	459	Eyles	461	Kasting, W. F.	461	Niessen, Leo Co.	461
J.	459	Florists and	473	Co.	461	Oechlin, Ernest	448
Boston Florist	461	Florists Fertil-	473	Keller, J. B.	461	Ouwertkork, P.	457
Letter Co.	461	izer Co.	473	Sons	460	Palmer, W. J. &	461
Breck, J. & Sons	459	Parquhar, R. &	456	Keller, J. M. Co.	448	Son	461
Breitmeyer's, J.	460	J. & Co.	456	Kentucky Tobac-	461	Park Floral Co.	460
Sons	460	Fisher, Peter	448	co Product Co.	473	Parsholsky Bros.	475
Bryan, Alonzo J.	448	Foley Mfg. Co.	475	Kervan Co.	466	Peirce, E. Allan	471
Burpee, W. A. &	448	Ford M. Co.	466	King Construc-	475	Pennoek-Meehan	461
Co.	448	Ford, W. P.	466	tion Co.	475	Co.	465
California Seed	459	Forster, F. S. &	459	Komada Bros.	462	Penn the Florist	461
Growers' Assn.	459	Rawson Co.	459	Kramer, F. H.	461	Pierce, F. O.	475
Carter's Tested	459	Frederick Farm	446	Kroeschell Bros.	475	Pierson, A. N.	448
Seeds, Inc.	459	Nursery	446	Kuebler, W. H.	466	Pierson, F. R.	461
Childs, John	459	Froment, H. E.	466	Lager & Hurrell	457	Co.	461
Lewis	459	Frost, Chas.	458	Lemon Oil Co.	473	Plant Food Co.	461
Clarke's, D.	460	Galvin, Thos.	461	Leonard Seed Co.	459	Plantlife Co.	473
Sons	460	Gasser Co., J. M.	461	Loechner & Co.	447	Plantlife Co.	473
		Graham A. & Son	460			Plantlife Co.	473

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 468, 469, 470, 471

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GLOXINIAS—Fine sound bulbs in separate colors, \$4.00 per 100, \$35.00 per 1000.

RHODODENDRONS—A fine lot of hardy sorts, in plants full of buds and with good foliage, 18 in. high, 8 to 12 buds, \$9.00 per doz.; 24 in. high, 12 to 14 buds, \$12.00 per doz.

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DUTCHMAN'S PIPE—Aristolochia Sipho, tops 4 ft. long, a grand vine for shade and cold exposure, \$3.50 per dozen, \$25.00 per 100.

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All the popular and useful small ferns, including a specially fine lot of Pteris Victoricae, \$2.00 per flat. Guaranteed 200 plants to a flat.

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be promptly received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Gardenias

As the days get shorter and the nights much cooler give ventilation with care so as not to give these plants a check. It will pay to run quite a bit of artificial heat through the gardenia house from this out. By this time they should have made a good many roots so will need a nice top-dressing of well rotted cow manure one part and new soil two parts, applied about half an inch thick, and repeated from time to time as necessary. During all good days they should be syringed early in the morning. It must be remembered that gardenias want lots of heat with a good amount of atmospheric moisture. For a night temperature give 68 to 70 degrees.

Cocos Palms

There is nothing to beat Cocos Weddeleana for the center of fern dishes. They are rather hard to grow, and there are very few palms that need so careful watering. They make roots slower than most palms and overwatering must be carefully avoided. These palms like a warm humid house, the night temperature never falling below 68, while 70 degrees would be better. Day temperature can run up to 85 or 90 degrees when sunny. Do not keep a too thick shade on the glass and be careful with ventilation, giving just a little at a time and reduce gradually the same way.

Orchids

Phalaenopses are warm blooded subjects so will not bear a cool temperature at any time and will take quite a brisk heat from this out. The night temperature should never fall below 65 degrees, and 70 would be still better. The day temperature should be kept at from 75 to 85 degrees with sunshines; during dull weather, about eight or ten degrees over the night temperature will do. Keep making the shade lighter until December when they should stand the full sun. They will need some shade by the end of January again. The atmosphere of the house should have a nice amount of moisture, but be

careful and do not over do this as it makes very soft growth. Give ventilation on all good days, avoiding cold drafts.

Perennials for Pots

There are quite a few florists who can handle hardy perennials in pots for spring sales. You can divide or transplant seedlings now anytime. Pot up a good batch of each which will be ready for early spring sales. Do not put them in too large pots as they are only intended to last in pots until the spring. Pot firmly and give a good watering so as to soak entirely through the soil in the pot. They will become well re-established before the severe freezing weather sets in. They can then be placed in a cold frame, plunged up to the rims so the frost will not break the pots. During very hard weather they will need some protection on the sashes.

Snapdragons

Of easy culture, and fairly profitable at that, are the improved strains of Antirrhinum. As a crop to follow chrysanthemums they possess merit which many other kinds of stock, expressly grown for the purpose, lack. A radical renewing of the soil is not required, nor any great or thorough going preparation of that in which the chrysanthemums were grown. Plants should now be in four or five-inch pots, quite bushy, and ready to bloom. All such flowers at show now must be nipped off. In benching this stock, care must be taken of the new growth which is now beginning to appear above ground, and which after being transplanted into the bench, will push its way up to the light astonishingly fast.

Propagating Sand

Now is the time to procure and place under cover some sharp sand for propagating purpose. Every florist has a certain amount of propagating to do and will need good clean sand. Do not attempt to use sand left over from the last propagation as it always harbors fungus that are fatal to all cuttings.

Mr. Farrell's next notes will be on the following: Care of Adiantums; Cyclamen for the Holidays; Poinsettias; Carnations; Shrubs for Forcing; Resting Fancy Caladiums.

Ceanothus

I shall only mention in the following paragraphs those varieties of Ceanothus which are considered as worth while to the ornamental planter. Doubtless I will neglect some which my reader will think fully as suitable, and for such omissions I crave pardon.

The Ceanothuses belong to the Rhamnaceæ and are ornamental shrubs which produce profuse white, blue or pink flowers in terminal panicles. The following varieties are hardy in New England: *C. americanus*, *C. ovatus* and *C. Fendleri*. Of the first mentioned there are several garden varieties but most of these are only half hardy and even when protected cannot be relied upon.

One of the advantages of the Ceanothus is in its late-flowering habit which renders them especially valuable. *Ceanothus americanus* has been recommended for use as a low hedge, as it never gets beyond bounds and

looks well at all seasons. The leaves appear early in spring and the plant is soon covered with a profusion of feathery blossoms. When the leaves have fallen the erect red stems are still handsome. In the north the young growth is sometimes killed back but at most only one shearing of the plant is necessary. Grown as a specimen or in mass planting *C. americanus* will attain a height of 3 feet, and is a rather compact-growing plant. Its flowers are crowded in dense panicles on the end of the branchlets and appear during July, August and September. It is a native of dry woods from Canada to South Carolina and Texas.

C. ovatus is generally smaller than the preceding and is found on rocks from Vermont to Minnesota. This plant is not so common as the ornamental varieties of the preceding variety. *C. Fendleri* is a western variety coming from the high altitudes of South Dakota. It is a native of New Mexico, Arizona, California, and Texas.

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bushy shrub, covered in July with small spikes of white flowers.

Of the garden varieties, doubtless the best is *C. Gloire de Versailles*, a cross between *C. azureus* and *C. americanus*. A specimen of this plant has stood over the past winter at the Arnold Arboretum and is apparently undamaged. This variety is one of the best for grouping. Its flowers are of a rich blue color and appear from July to October. When grown as a bush the old wood should be cut back to the base in early spring and the plant given a little manure. *C. Gloire de Versailles* will afford a very pretty contrast planted amongst dwarf sunflowers in the herbaceous border.

There are many other garden varieties of *Ceanothus* such as "Carmine Gem," "Ceres," "Charles Detriche," "Indigo," and "Lustre," which would make very interesting and beautiful greenhouse specimens but unless used as tubbed plants on a terrace and kept in a storage pit or greenhouse, away from the cold during the win-

ter, I am afraid these plants would be of little use in outdoor work.

The readiest way to obtain stock of the species is by cuttings of the mature wood in the fall, which should be inserted in sandy soil in a cold frame. The process of layering, however, will yield the strongest plants most readily. The garden varieties can be increased by grafting on *C. americanus*.

The *Ceanothus* will thrive in almost any well drained soil, and in most cases prefer a position at least partially sunny. It is interesting to note that the dried leaves of *C. americanus* were at one time used for tea, from whence comes the common name, New Jersey Tea.

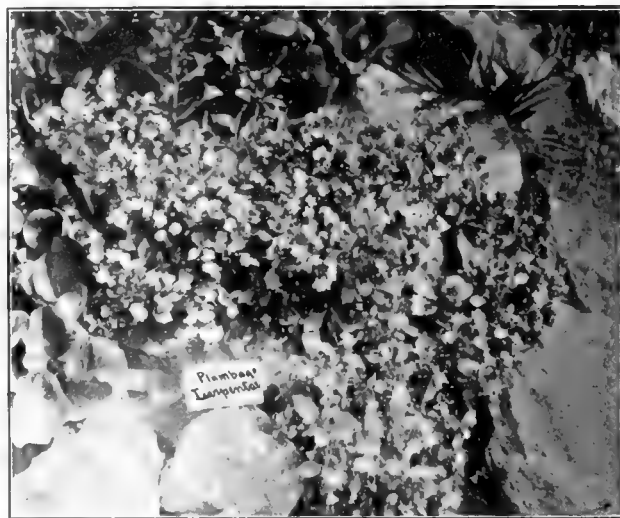
Hubert M. Canning.

Jamaica Plain, Mass.

Two Useful Perennials for Garden and Rockery



NIEREMBERGIA RIVULARIS.



PLUMBAGO LARPENTAE.

The fact that the flowering season of hardy perennials is comparatively limited is sometimes still pointed out as a disadvantage weighty enough to question the advisability for extensive use. Closer acquaintance, however, removes the doubts of the skeptics as to real merit. Brief flowering periods necessitate a constant succession and everchanging variety in floral effects which intensifies our interest perceptibly. At a more intimate study of the material offered we discover as exceptions hardy herbaceous plant species bedecked with an astonishing wealth of blossoms for the most part of the season. *Nierembergia rivularis* begins unfolding its handsome white cup-shaped flowers in June and the plants remain covered with flowers throughout July and August. During September they gradually vanish away. Of dwarf creeping growth *nierembergias* prove excellent rock garden plants. Here they lend floral life and color at just that part of the season when we are most in need, for the majority of alpine plant species being vernal have previously stopped blossoming. I have also found *Nierembergia rivularis* of value for edging herbaceous borders as well as for covering bare spots on steep grassy slopes of the natural park.

The other subject of today's notes, the Lead-wort, *Plumbago larpentae*, distinguished by similar qualities, merits equally our attention. Of a growth not exceeding

six inches in height this handsome hardy perennial has proven well-nigh indispensable for floral midsummer and fall effects. Most valuable for the rockery, well adapted for the purpose of edging, the scope of its usefulness is an extraordinarily wide one. Last summer on one occasion I saw it employed on a narrow border bed around a cemented formal basin filled with some aquatics. The dark green of the very substantial foliage and the countless blue blossoms from early July until October literally covering the densely-built plants, presented a most fitting frame for the display of nymphaeas and water poppies. It is this intense rich deep blue which so forcefully appeals to us wherever we see it. *Plumbago larpentae* does not need special recommending. The practical garden designer is presumed to be fully aware of its merits and employs the lead-wort freely, but for the benefit of those who are not familiar with it I wish to say *Plumbago larpentae* prefers a rather light soil and seems to do best in open sunny exposure. High locations free from excessive moisture will be found an advantage. Plantations should be protected by leaf-covering during winter. The aforesaid also applies in full to the cultural treatment of *Nierembergias*.

Glenside, Pa.

Richard Rothe

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communication should invariably be addressed to the office of HORTICULTURE.

Broken Glass.

With the last month of warm weather, better see that all the glass that is to be repaired is put in, for once the cold wet weather comes there will be little chance, and it will be everything but pleasant to do it. Do over the houses well, and repair all glass that is loose, cracked or broken. By doing this now, there will be a big saving of time later on. It is not too late to paint any houses that need it; if done at once the paint will dry quickly. Make sure that all crevices are well puttied before the paint is applied. When a house is well painted there should not be very many leaks in it, and the less it leaks the better. Anyone growing stuff in an old leaky greenhouse will soon learn under what disadvantage he is working, it being almost impossible to keep the benches in a right state of moisture, and there will always be spots that are altogether too wet. Spot will generally start in these places, and it will be a hero's own job to rid the plants of it, and besides it will eat up a lot of money. Three men in a house all day means six dollars, and it will take some roses to make that.

Supplies for the Season.

Another item to receive attention now is supplies for the coming season. Twine, wire, boxes, paper, rope, all comes under this head. If the place is well organized, and the books well kept, it will not take long for growers to ascertain how much of each is wanted, and as a rule it will pay to get it all in a bunch, for generally a better price will be quoted on a large order than on a smaller one. A room should be built in one of the service buildings, and the supplies stored in this room, in charge of a good responsible man. As the growers need the supplies they can be taken, and the amount given each and when, can be recorded, so that it will be easy to ascertain how much each grower owes the firm, or rather how much it costs for supplies in the different sections.

The Propagating House.

On many places the propagating house is very badly neglected from the time that the last batch of cuttings leaves it until it is wanted again. This is a very poor practice for it enables weeds and all sorts of insects to flourish inside. Clean the house at once if it is not clean yet, and devote it to raising something, thus making each square foot of greenhouse earn its keep, if it will not make money. There are numbers of things that can be grown and sold at a profit, this generally depending on local conditions, which are seldom the same on two places. A little thought will generally find something that may be worth while growing, and thus keep the benches in motion all the time.

More About Curled Leaves on White Killarney

New London Inquirer—The leaves you sent to us by

mail in damp moss arrived in perfectly good condition, and as you stated in your first letter, they are free from all diseases, and insects, and in perfect shape and health, save for the curling. This is caused by scorching the leaves in some way, the brown markings on the upper side of the leaf proving this. You are right when you say that the leaves are not very soft. They are what we would call a good healthy growth. You do not say whether your plants are grafted or own root. If the former, see if the raffia around the graft or eye is not choking the plants. We had an experience of this kind and found that the grower in charge failed to cut the raffia that had been used in grafting, when the plants were planted, and there were a great many that were being choked, for the raffia proved too strong for the expanding stem to break. If your plants are own-root plants there is no danger from this, and we must look elsewhere for the cause, and remove this, for that will be the only cure. We would advise you to examine the soil three or four times a day, for we have had soils that would be dust dry two hours after watering, for the water would run right through the benches and leave the soil dry. If this would be the case, a mulching would help, using well decayed cow manure for the purpose. We would leave off the syringing as we advised at first, for this is what scalds or rather scorches the leaves, taking it for granted that no strong fumigants or sprays were used, or that there is no paint, no strong manure or other materials that would give off fumes poisonous to vegetation. A dose of liquid manure applied to the plants when they are quite dry would be apt to burn the roots quite badly so that they would not be able to supply the needed moisture to the foliage, and, this lacking, the leaves would burn with the syringing, not badly, but enough to give them the brown markings on the upper side, and cause them to curl. Up to this time we have been thinking of your plants as having been planted quite a while, and having made quite some growth. Should they be small plants that have not been planted very long, and are not established very well, scratch away the soil from several, and see if the original ball is wet enough. We have had plants that were shipped to us from places where the soil is very heavy, and these planted into loose light sandy soil, did not take well with ordinary planting, for the soil would not catch to the hard heavy ball. Should this be the case, firm the soil around each plant with a stick that has a flat end, so as not to go into the soil at all, for that would cut away a good many roots that are needed very badly. It may be too that the plants were not set deep enough if they happen to be grafted plants, and the wood around the joint of the root and scion may have become so hard as to make the flow of sap almost impossible. If this is the case a mulch right around each plant would help soften the wood, and make the sap flow more easily. You say you are sure the plants are not starved. Damp down as many times a day as you think necessary, but keep the water away from the leaves. Water well at the roots, and keep them wet for a while, but do not syringe the plants. Damp down under the benches too, if necessary. From the leaves you sent, we can see that your plants are free from spider, so that they will not suffer if not syringed. It will take a while for the new leaves to form, and prove whether the new treatment will work. All the foliage now has been damaged, and will curl as soon as conditions are right, even though it may open out normal at times. We are very much interested in this case, and would be pleased to hear from you again.

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CONTENTS

Page

COVER ILLUSTRATION—A Typical Rose House	
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Gardenias—Cocos Palms—Orchids—Perennials for Pots—Snapdragons—Propagating Sand— <i>John J. M. Farrell</i>	449
CEANOTHUS— <i>Hubert M. Canning</i>	449
TWO USEFUL PERENNIALS FOR GARDEN AND ROCKERY—Illustrated— <i>Richard Rothe</i>	450
ROSE GROWING UNDER GLASS—Broken Glass—Supplies for the Season—The Propagating House—More About Curled Leaves on White Killarney— <i>Arthur C. Ruzicka</i>	457
HOME GROWN TREE SEEDLINGS— <i>Otto Katzenstein</i>	453
REMEDIES FOR POTASH SHORTAGE— <i>H. A. Huston</i>	453
CLUBS AND SOCIETIES—Lancaster County Florists' Club—American Dahlia Society—Texas Nurserymen's Association—National Association of Gardeners—Rhode Island Horticultural Society—Club and Society Notes	454
OBITUARY—Mrs. Frank Zuber—John McMichael—Peter J. Krug—Peter Bolander	455
SEED TRADE—Crop Report of Hjalmar Hartmann & Co., Copenhagen	458
OF INTEREST TO RETAIL FLORISTS—The Florists' Business from a Retailer's Point of View— <i>Chas. F. Edgar</i>	460
New Flower Stores	461
DURING RECESS—Poor Richard Club at Fordhook; Illustrated—The Old Guards' Association	463
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago, Cincinnati, New York	465
Philadelphia, St. Louis, Washington	467
ADAPTATION OF PLANTS TO SOIL— <i>Prof. George E. Stone</i>	472
MISCELLANEOUS: House of <i>Areca lutescens</i> at Dreer's, Riverton, N. J. —Illustration	455
Personal—Visitors' Register	456
New Corporations	458
News Notes	458-462
Chicago Notes—Washington Notes	462
Business Troubles	462
Philadelphia Notes	467
What Conventions Do	474
Greenhouses Building or Contemplated	474
Patents Granted	474

An interesting legal point

Our Chicago advices state that circulars have been received from Europe by plant and bulb importers quoting present prices as far below rates given when import orders were taken. Doubtless other places have also received quotations of a like character. Attention is called to the fact that many of the Holland

order sheets carry at the top the words "Prices Subject to Change." Legal advice obtained by some of the Chicago trade is to the effect that the circulars referred to are evidence that the market prices have changed and consequently the payment for previously ordered goods may be based upon the reduced figure now quoted.

"Price cutting"

Our friends, the members of the Lancaster Florists' Club, have brought forward the subject of "price cutting" as a topic for discussion. The subject is broad enough for plenty of discussion—in fact, too broad for profitable discussion unless there is some definite mutual understanding as to what is meant by "price-cutting." When the motive of the party doing the cutting is merely to seduce trade away from a rival dealer on the ground of cheapness there is, of course, a limit to the wisdom of such a practice as a business-building proposition and, as a matter of ethics, simply, the practice of price-cutting cannot be said to take high rank. Yet, it has ever been acknowledged that "competition is the life of trade" and "best quality at lowest price" is a slogan that any business man may honorably adopt without any fear of reasonable criticism and with every prospect of a successful outcome, while, on the other hand, those who go too far in the direction of fixed and unvarying prices are sometimes liable to have the anti-trust people taking an interest in their affairs!

If, however, the disposition to distribute the surplus flowers, when such exist, at a figure below the standards arbitrarily set by the regular first-class flower stores for such goods (and which rarely have any fixed relation to the cost of production) is what is meant by price cutting, then we should say that the sooner some places get at it the better for the business. In fact, we might put it much more strongly and say that such a course is inevitable in every flower market centre in the country. It is apparent to everybody that the production of flowers for commercial purposes has, in recent years, far outdistanced the development of avenues for their consumption, and the vital question of the hour in such centers of production as New York or Boston, for example, is how to secure for the rapidly increasing product an equally rapidly increasing demand. Growers may well stand aghast at the enormous quantity of their goods which, in the oft-recurring "gluts" under present conditions, are thrown away, and all the while very little is being done in a practical way to open up new avenues of distribution. Under such conditions, price cutting, as a debatable proposition, becomes a joke.

The forcing plant industry

It will be consoling to the plant and bulb forcing trade to find that, as means of transportation through neutral European ports are gradually gotten into working order the outlook for receiving a considerable part of the normal imports of azaleas, pips and bulbs is gradually assuming a much more hopeful aspect than any one had dared to expect. But the situation this year is not the only cause for concern. It is easy to see that, at best, the production abroad for next year and the next is a very grave uncertainty, and it seems too much to hope for the adjustment and re-establishment of former conditions for several years. We have received from L. A. Berckmans of Augusta, Georgia, a sample of the Indian azaleas they are raising there, as told in their communication in our previous issue. As

previously stated, the style of plants they are putting out will not do for forcing, having been pushed along into late growth without any attempt to ripen up the wood. But, nevertheless, they are healthy sturdy plants and such stock could, by special culture and attention, be brought into shape for forcing purposes one year or two years hence. Among the many letters which have come to us from various parties interested in this problem of home production is one from Antoine Wintzer of the Conard & Jones Company. Mr. Wintzer tells of the extensive propagation of azaleas at Flushing, N. Y., fifty years ago by the late J. R. Trumpy. At the time of the outbreak of the civil war Mr. Trumpy had no less than 100,000 home grown azaleas in different sizes but as a large part of the then demand for these plants came from the South the growing of this specialty was discontinued. Mr. Wintzer further reminds us that the

Camellia japonica was also grown here in large quantities half a century ago and the quality of the plants was not surpassed by any produced in Europe. James McHutchison contends that the prestige employed by European grown goods of this class is not that they are cheaper than can be produced here—which they are not—but is due to the intelligence, loyalty and patience of the foreign growers, who love their plants and watch over them as they would over their children. The care and attention thus lavished upon the plants in their production is the great factor in their superiority and unless growers here take the same devoted interest in the work, even a Chinese wall will avail us but little towards capturing the market on these specialties. The communication from Otto Katzenstein on the tree seedling industry, which appears below, will no doubt prove interesting to our readers, in this connection.

HOME GROWN TREE SEEDLINGS.

Editor HORTICULTURE:

There are but very few nurseries in the United States which have, thus far, paid any attention to the raising of tree seedlings or rose stocks commercially, and a small number of these, only, have produced near enough to make the least impression on the grand total used.

The uniform explanation given us was that land was too expensive and labor too inexperienced to undertake the growing of seedlings. We never could see just how this figured out. It may be true that the labor generally employed in nurseries is not as well trained as growers of young stuff as are the European workmen. The short-coming could be easily remedied as knowledge is gained by experience. It is undeniable that our own workmen are much more adapted to acquaint themselves with new methods and there is no reason why very soon seedlings could not be produced at as low a cost as imports.

Our seed has to be exported now and the seedlings have to be returned to this country. Freight, duty, and commission have to be paid thereon and other expenses have to be met. Adding them to the general prices paid European growers doubles the cost of the plants, and we really cannot see why plants grown here systematically could not be put on the market for at least the same price the consuming nurserymen pay now.

We do not believe that every nursery and every nurseryman will lend themselves to the growing of seedlings. This branch will always be a specialty and those who find it possible to make it a success will have opened a way to themselves for large profits.

We cannot grow bulbs everywhere, but there are some growers in this country now who compete most successfully with the exporters. Not every section of this country is adapted to the growing of wheat for macaroni, but those which are produce flour and a finished article equal to that imported from abroad.

We might go on indefinitely enumerating articles which we thought in former years would have to be imported but which now are made here. There is no reason why we must con-

tinually depend upon Europe for tree seedlings.

Now is the most opportune time to break away, especially as the entire supply of our European friends will probably have to be used for their own replanting, and there is no reason why the tables might not be turned and, instead of paying importers, our nurserymen would become, in time, exporters of at least certain kinds of young nursery stock.

We have gone into this rather more in detail than we had anticipated ourselves when we started this letter, but the subject is one very near to us, and one to which we have given a great deal of thought for a number of years.

We have not the least intention to step on the toes of any of our foreign friends, whom, in the past, we have supplied very largely with tree seeds and whom we hope to continue to count among our valued customers in the future.

There will always be imports of seedlings, but there should also be some home production.

Very truly yours,

OTTO KATZENSTEIN & Co.

Atlanta, Ga.

REMEDIES FOR POTASH SHORTAGE.

Various suggestions have been made in regard to the steps to be taken by farmers in reference to the shortage of potash in their fertilizers, caused by the greatly reduced shipments of potash from Germany since the first of August. Most of the fertilizer companies have endeavored to make the potash on hand go as far as possible by selling for the present brands of complete fertilizers containing only 2 or 3 per cent of potash and withholding from sale brands containing larger amounts.

The suggestion that some or all of the potash be replaced by phosphoric acid is absurd, for every school boy knows that one plant food cannot take the place of another. There are some indirect fertilizers, such as lime, gypsum and salt that can release a limited amount of potash from some soils that contain hydrated silicates of alumina and potash. But if these soils have already been treated with lime or have received repeated dressings of the usual forms of fertilizer containing soluble phosphate with its

accompanying gypsum, then the potash in the hydrated silicates has to a large extent already been replaced and the use of more lime or gypsum or salt could not be expected to release much additional potash. Ground limestone or oyster shells act too slowly to be used as potash releasers.

The residue of soda left in the soil by nitrate of soda is more effective in releasing potash than is gypsum and hence goods in which the nitrogen is largely in the form of nitrate of soda, may have a special value in the present emergency.

It is often stated that decaying organic matter releases potash from the soil but there seems to be no direct evidence of this. On the contrary, Dr. S. Peacock states in the American Fertilizer of Sept. 5, 1914: "Several thoroughly competent researches have shown that decaying organic matter has little effect on converting inert mineral plant food in the soil into available form."

In any soil the amount of potash capable of being released by these indirect means is a very small fraction of the total potash in the soil, most of which exists in a form about as soluble as window glass. There is no known profitable method for rendering this inert potash of the soil available fast enough to provide for profitable crops. Whatever temporary expedients we may employ in the present emergency, we must keep in mind that the potash thus removed from the semi-available soil reserves must later be replaced if we are to maintain the soil's productiveness.

There is danger in the statement that farmers have been using an excess of potash. Crops use on the average about two and one-half times as much potash as phosphoric acid, while the average fertilizer sold contains only half as much potash as phosphoric acid; yet no one claims that we are using too much phosphoric acid. The potash remaining from previous fertilization is practically nothing except in the limited areas where a ton or more of fertilizer has been used per acre on truck crops. Very rarely is half as much potash applied to the wheat, oats, corn or cotton crop as the crop removes.

The potash mines are so numerous and the stocks on hand so large that supplies can be promptly sent forward, as soon as European conditions permit freight shipments to be resumed.

H. A. HUSTON

CLUBS AND SOCIETIES

LANCASTER COUNTY FLORISTS' CLUB.

Sept. 17th found a goodly number at the usual meeting place, to hear Chas. F. Edgar tell how to conduct the retail business and A. M. Herr tell of his trip to Boston as the sole representative of this club. In the discussion it was pretty unanimously agreed that we should support with more loyalty the work of the S. A. F. although this club has done I believe more than any other one club, by donating as a club a prize for the S. A. F. sporting events and giving \$10 toward the Smith Memorial.

In discussing Mr. Edgar's paper the question of price cutting seemed to take precedence and it was pretty well agreed that the selling of any article too cheap to the consuming public was neither advantageous to the buyer nor the seller, and that the sales of flowers were smaller in quantity where the price was cut than where a fair price was maintained. Getting from cut flowers to plants it was the consensus of opinion that the majority of growers did not know that their plants often cost more than they get for them and that with others the price is too close to the cost of production to make any allowance for the unavoidable misadventure our stock is sometimes subject to.

The Flower Show to be held in Lancaster Nov. 6th and 7th was freely discussed and as we are likely to get the entire building of the Heimenze Auditorium we anticipate plenty of room for a few trade exhibits to educate our public into the buying of some things they now do without. We are promised the cooperation of a number of the civic bodies and as Lancaster has not had a show for a number of years it is becoming almost a public event for the city.

The Programme Committee reported for next meeting a paper on Greenhouse Construction by Elmer J. Weaver, of Ronks, and a paper on Chrysanthemums by Willis Girvin of Leola.

The visiting committee reported a trip to see the new houses built by Willis Girvin of Leola, for Thursday, Oct. 15th, leaving the square at 3.30 P. M. and returning in time for the meeting in the evening.

ALBERT M. HERR.

AMERICAN DAHLIA SOCIETY.

The seed meeting of the dahlia enthusiasts for the purpose of adopting by-laws and regulations in connection with the new American Dahlia Society about to be formed, will take place at the Dahlia Show in the New York Botanical Gardens on Sept. 26 at 4 P. M.

I further wish to state that nearly forty charter members have already been enrolled and at the beginning of the society, which will be Jan. 1, not less than one hundred members are expected. The election of officers will take place in December, giving each charter member the opportunity to vote by mail, on a list submitted to them by me.

MAURICE FULD.

TEXAS NURSERYMEN'S ASSOCIATION.

The fifteenth annual meeting of the Texas Nurserymen's Association will be held in the Chamber of Commerce auditorium, Fort Worth, Oct. 14 and 15. Tentative program has been prepared by the committee on program, which consists of John S. Kerr, of Sherman, president; Will B. Munson, of Denison, vice-president, and J. M. Ramsey, of Austin, secretary-treasurer.

Following the address of welcome by J. B. Baker, of Fort Worth, a response by F. E. McGinnis, of Dallas, the president's address and the appointment of committees, these addresses on subjects of interest to Texas nurserymen are to be given:

"The Probable Effect of European Wars on Southwestern Tree Planting," J. R. Mayhew, Waxahatchie.

"The Most Important Subjects Solved at the National Convention of Nurserymen, in Cleveland Last June by Those Who Attended," J. B. Baker, C. C. Mayhew, W. B. Munson, John S. Kerr.

Special report of committee on State Botanical Garden for Texas, J. S. Kerr, chairman.

"In What Way Can Our Association Render a Better Service," Mr. Locke, Jr., New Braunfels; G. A. Schattenberg of Boerne.

"The Benefits to Our Citrus and Ornamental Industries Afforded by the New Freight Rate on Balled Evergreens," W. D. Griffing, Port Arthur.

"The Leading Classes and Varieties of Nursery Stock to Be Grown in the Lower Rio Grande Valley," Eltweed Pomeroy, Donna.

"In Case Burlap Becomes Prohibitive in Price and Supply, What Substitutes or Methods of Packing May Best Be Used," John F. Sneed, Tyler; C. C. Mayhew, Sherman.

"The Value of a Publicity Organization in the Education of the People in the Work of the Nurserymen," J. M. Ramsey, Austin; R. E. Hall, Sherman.

"Co-operation of the Florists and Nurserymen of Texas," R. C. Kerr of Houston, C. E. Papworth of Fort Worth.

NATIONAL ASSOCIATION OF GARDENERS.

At the summer meeting of the National Association of Gardeners, held in Boston, August 19th, 1914, a committee was appointed to draft a resolution conveying the sympathies of the members of the organization to the European horticulturists on the terrible calamity which has befallen them.

The committee reports its resolution as follows:

WHEREAS, Our fellowmen engaged in the pursuit of horticulture in its various phases in the European countries are now surrounded by the horrors of a terrible war, many of whom may be suffering from sorrowing anguish for loss of kin on the battlefields; be it

RESOLVED, That the members of the National Association of Gardeners convey to their brother horticulturists in Europe afflicted by the war, their heartfelt sympathies on the catastrophe which has so suddenly overtaken them; and that our prayer be that the Almighty God in His infinite wisdom will guide the instigators of the appalling conflict now raging, to a speedy termination of it, and to everlasting peace; be it further

RESOLVED, That copies of these resolutions be forwarded to the various national horticultural bodies in the several countries now at war, and spread on the records of the N. A. G.

WILLIAM N. CRAIG,
DUNCAN FINLAYSON,
MARTIN C. EBEL.

RHODE ISLAND HORTICULTURE SOCIETY.

The annual September show of the Rhode Island Horticulture Society, held in the parlors of the Mathewson Street M. E. Church, Sept. 15-16, Providence, R. I., was the most successful that the society has ever held. The attendance was the largest that ever attended a September show and the quality was superior to all previous exhibits. Features of the exhibition were the American Beauties from the Newport estate of R. Livingston Beekman, and the display of foliage plants from the William Appleton greenhouses. Both of these exhibits were not offered in competition, but the society awarded prizes on the same merits as in open competition. There were 48 exhibitors all told. H. V. Mayo exhibited a hybrid cactus dahlia of orange pink named Ethel Mayo. A seedling dahlia named Mrs. Sellow, yellow base, shading to scarlet, was entered by Arthur Sellow.

Most of the awards in the commercial growers' professional gardeners' class went to Sisson & Thurston, W. D. Hathaway, Lewis A. Jillson, G. H. Walker and A. E. Johnson.

On Wednesday, the closing evening, a lecture was given by Prof. C. F. Adams of the R. I. State College.

CLUB AND SOCIETY NOTES.

At the Newark (N. J.) Industrial Exposition Hahne & Co., had a handsome flower booth and orchids were a special attraction. The Newark Shade Tree Commission also had an attractive exhibit.

The Indiana State Florists' Association are making elaborate preparations for the reception of the Chrysanthemum Society of America on November 6, 7 and 8, at which time a superb exhibition will be staged free to the public at the German House, Indianapolis.

The fall show given by the Paterson (N. J.) Floricultural Society at the Second National Bank last week was a pronounced success, it being estimated that nearly 5,000 people visited the show. P. S. Van Melle of the landscape department of Bobbink & Atkins and R. B. Stoutenborough acted as judges.

An interesting exhibition of dahlias will be made at the Museum Building Botanical Garden, New York, in co-operation with the Horticultural Society of New York, on Saturday and Sunday, Sept. 26 and 27. There will be a discussion on "Dahlias" in the lecture hall at 2.30 P. M., and at 4 o'clock Dr. N. L. Britton will give a stereopticon lecture on Wild Flowers of Autumn.

The Fortieth Annual Exhibition of the Houghton Horticultural Society, at Odd Fellows' Hall, Lynn, Mass., last week was by far the best in the Society's history. The exhibits were in the main by amateurs, but Gibbs Bros., the florist, contributed a fine

HOUSE OF ARECA LUTESCENS, AT DREER'S, RIVERTON, N. J.



display and there were excellent dahlia groups by Wilbur Moon, E. F. Dwyer and other professionals and the A. W. Preston estate of Swampscott showed superb vegetables.

At the monthly meeting of the Nassau County Horticultural Society on Sept. 9th at Pembroke Hall, Glen Cove, N. Y., the judges for the monthly exhibits, J. W. Everitt, James Duthie and Angus McGregor, made awards as follows: Asters, Harry Jones; gladiolus, Alfred Walker; muskmelon, Geo. Ashworth. Cultural certificate to Harry Jones for a vase of gladiolus America. The schedule for the chrysanthemum show, Oct. 29th and 30th was read and adopted. John W. Everitt was appointed manager of the Dahlia Show to be held Tuesday, Oct. 6. Exhibits for next monthly meeting Oct. 14th—three bunches outdoor grapes in three varieties; twelve apples in two varieties and six pears one variety.

HARRY JONES, Cor. Sec'y.

Despite the war it is stated that horticulturists of Belgium, France, Holland, England and Ireland are proceeding swiftly with their plans for exhibits at the Panama-Pacific Exposition. The Netherlands has assembled the most extensive horticultural exhibit ever sent here from a foreign country. It will be placed in a garden 800 feet long and containing 52,500 square feet.

An increase in the horticultural exhibit space for Japan gives the Nipponese 8000 square feet for competitive plant and flower exhibits and displays of economical horticulture. The various Japanese exhibits in 1915 will be the most extensive ever sent out from that country.

Obituary

Mrs. Frank Zuber.

Mary Zuber, wife of Frank Zuber, florist, of Whitestone, N. Y., died on September 12, at the Long Island College Hospital, Brooklyn, following a long illness.

John McMichael.

John McMichael, for thirty years in the employ of C. B. Thompson & Co., florists, died on September 8, aged 47 years, at the Waverly Hill Hospital, Louisville, Ky. He was a plantsman and decorator of good repute and highly regarded by the trade of Louisville.

Peter J. Krug.

Peter J. Krug, retired florist, died September 17 at his home in Wallington, N. J. He was born in Liverpool, England, November 9, 1847, of German parentage, and came to America when a young man and started a greenhouse in Wallington. He fought through the Civil War with the Thirty-third New Jersey Volunteers.

Peter Bolander.

Peter Bolander, a well-known nurseryman, died at his home in Tippencanoe City, O., on September 8, aged 77 years. Mr. Bolander was born in Allenbaugh, Bavaria, of gardening ancestry and came to Dayton in 1843. He was looked upon as the father of the nursery business in that section and was one of the founders and ardent promoters of Arbor Day.

Otter River, Mass. Fred R. has bought of C. C. Speare two greenhouses, 23x125 and 25x123 respectively and will engage in cucumber forcing.

Thorburn's Seeds and Bulbs

To the Trade:

TO the Florist who depends for his profits upon reliability of his seeds and bulbs a bargain is not of the first importance.

Yet we often have an over stock of popular seeds and bulbs which we are able to supply below the market.

This Month We Particularly Recommend the Following:

Freesia Purity Bulbs

1 in. diam., 1 1/2 in. long
Per 100, \$2.00 Per 1000, \$10.00
Extra Mammoth Bulbs,
\$3.00 per 100

Refracta Alba

2 1/2 to 3 inch \$3.00 per 1000
1 1/2 to 2 1/2 inch 5.00 "
3 1/2 inch and upward 8.50 "

Pansy Seed

Finest Strains

	Per oz.
Thorburn's Superb.....	\$4.00
Line Large English Mixed ..	.30
Masterpiece .....	.80
Masterpiece from Originator...	3.00
Triumphant Giant Mixed .....	.30

Lilium Harrisii

(Bermuda Easter Lily)

5 1/2 to 7 inches in circumference
\$5.50 a hundred \$15.00 a thousand
7 to 9 inches in circumference
\$10.00 a hundred \$85.00 a thousand

And all other varieties at reasonable prices.

Also a few cases Cold Storage
Lily of the Valley Tubs

Cases of 250 each for.....	\$4.50
Cases of 500 each for.....	8.00
Cases of 1000 each for.....	15.00

Ask for a copy of our Bulb Catalog and Special Prices to Florists

J. M. THORBURN & CO.

Established 1802

53 Barclay Street - New York



HOT HOUSE GRAPES

Black Hamburg, Muscat of Alexandria, Alicante, Appley Towers, Gros Colmar, Gros Guillaume, Lady Downe's Seedling, Madresfield Court, Black Muscat

The above are grown in our own greenhouse and can be shipped immediately, if desired

Strong Fruiting Canes Planting Canes

R. & J. FARQUHAR & COMPANY

6 SOUTH MARKET STREET - - - BOSTON, MASS.

Fine Ferns Ready for Immediate Retail Sale

We offer the following varieties of Ferns in the sizes specified, which we have in perfect shape at this time.

Nephrolepis muscosa, 3½-inch, 25c; 5-inch, 50c each.

Nephrolepis elegantissima, 6-inch, 50c; 8-inch, \$1.00; 10-inch \$2.00 each.

Nephrolepis elegantissima compacta, 3½-inch, 25c; 6-inch 50c; 8-inch, \$1.00 each.

Nephrolepis superbissima, 6-inch, 50c each.

Nephrolepis magnifica, 5-inch, 50c each.

Nephrolepis Piersoni, 6-inch, 50c; 8-inch, \$1.00 each.

Nephrolepis, Dwarf Boston, 8-inch, \$1.00 each.

Nephrolepis Harrisii, 6-inch, 50c; 10-inch, \$2.00 to \$3.00; 12-inch, very large plants, \$5.00.

F. R. PIERSON CO.
TARRYTOWN, NEW YORK

JAPANESE Bamboo Canes

Just the thing for Staking Plants and Small Trees

	Per Bundle
6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

**30 and 32 Barclay Street
NEW YORK**

PERSONAL.

A. A. Macdonal, superintendent of Duke's Park, Somerville, N. J., returned safely from abroad on the Cameronia.

George H. Swoboda, of Hess & Swoboda, Omaha, Neb., and family arrived home safely from Europe last week, as steerage passengers.

James M. Tuohy, the florist, who was defeated for the office of mayor of Everett, Mass., last year, by a small majority, has announced that he will be a candidate this fall.

George H. Penson, for a number of years in charge of the fruit houses at Duke's Park, Somerville, N. J., has accepted the position of superintendent of Bellview Farm, New Brunswick, N. J., and will enter on his new duties about October 1.

VISITORS' REGISTER.

Boston—Peter Smiley, Isle of Pines, West Indies.

Cincinnati—A. Miller, representing A. Henderson & Co., Chicago; T. Metcalfe, Hopkinsville, Ky.

Philadelphia—Mr. and Mrs. H. S. Brandt, York, Pa.; John L. Ratcliffe, Richmond, Va.; H. C. Neubrand, representing A. N. Pierson, Inc., Cromwell, Conn.; Wm. Plumb, World's Fair, San Francisco, Cal.; Joseph J. Lane, Garden Magazine, N. Y. City.

Chicago—Chas. F. Swayger, Campaign, Ill.; Martin Reukauf, representing Bayersdorfer & Co., Phila.; Edw. Siebrecht, Terre Haute, Ind.; H. W. Buckbee, Rockford, Ill.; Ed. Kalisch, St. Louis, Mo.; W. P. Craig, Philadelphia; Geo. Swoboda, Omaha, Neb.; James H. Reeves, Savannah, Ga.; Frank Ensign, Toledo, O.; Chas. W. Crum, with the Iowa Seed Co., Des Moines, Ia.; Lester Venson, Indianapolis, Ind.; Mrs. Jas. W. Begbie, Shreveport, La.; H. C. Reeser, Springfield, O.

Large EVERGREENS and DECIDUOUS TREES for sale

Write for list. Digging EVERGREENS Now.

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STRATFORD, CONN.



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BODDINGTON'S "QUALITY" CHRISTMAS-FLOWERING SWEET PEAS WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will again be scarce this season. The winter-flowering Spencer types are almost a total failure owing to the exceptional season in California this Spring, and through the ravages of Aphids.

We regret that our stocks of YARRAWA and ANITA WEHRMAN are entirely exhausted, also many other good varieties, but we can still offer the following while stocks last. Order at once to avoid disappointment—remembering that our stocks are true to name and while a little higher in price, will save you money in the long run.

ROSE QUEEN "ROSE QUEEN" is Orchid-flowering, borne on long stems, extremely free and early and of pink color most attractive, is a decided acquisition, and like all meritorious novelties is sure to be in demand wherever grown. Prices: Trade pkt., \$1.00; 3 trade pkts. for \$2.75; 1 oz., \$12.00.

THIS ADVERTISEMENT CAN BE USED AS AN ORDER SHEET

Remember, you may deduct 5% if cash accompanies the order.

	Oz.	¼ lb.	½ lb.	Lb.
...BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—Will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting.....	\$0.25	\$0.75	\$1.25	\$2.00
...BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months.....	.15	.50	.85	1.50
...BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer....	.15	.50	.85	1.50
...CANARY. Similar to the Christmas White, but flowers of an exceptionally good yellow.....	.35	1.00	1.75	3.00
...FLORENCE DENZER. Pure white.....	.25	.75	1.25	2.00
...LE MARQUIS. This is the same color as Princess of Wales violet; has very large flowers.....	.35	1.00	1.75	3.00
...MISS HELEN M. GOLD. White, open flower; standard lilac, marbled....	.35	1.00	1.75	3.00
...MISS JOSEY REILLY. Lilac; very large flowers.....	.35	1.00	1.75	3.00
...MRS. ALEX. WALLACE. Lavender; very scarce.....	.25	.75	1.25	2.00
...MRS. HANNAN. Deep rose pink; very pleasing shade.....	.25	.75	1.25	2.00
...MRS. WILLIAM SIM. Salmon pink.....	.25	.75	1.25	2.00
...MRS. W. W. SMALLEY. Satiny pink.....	.25	.75	1.25	2.00
...MRS. F. J. DOLANSKY. Daybreak pink.....	.50	1.50	2.25	4.00
...MRS. CHAS. H. TOTTY. Sky blue; late.....	.25	.75	1.25	2.00



Sweet Peas of C. W. Curtis, Irondequoit, N. Y. Raised from Boddington's Quality Seed.

	Oz.	¼ lb.	½ lb.	Lb.
...MRS. ZVOLANEK. Blue, variegated; good for variety.....	.50	1.50	2.75	5.00
...WATCHUNG. Pure white.....	.25	.75	1.25	2.00
...WM. J. STEWART. Blue self.....	.35	1.00	1.75	3.00

Please write your name and address here and mail order today.

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Arthur T. Boddington, Seedsman

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ORCHIDS

We grow and sell nothing but ORCHIDS. If you are in the market for this class of plants we respectfully solicit your inquiries and orders. Special lists on application.

LAGER & HURRELL, Summit, N. J.

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

PEONIES

Fifteen fine named Peonies for \$2.50, or 25 for \$5.00, all different and truly labeled, a chance to obtain a fine collection at half price, comprising such varieties as Festiva Maxima, Felix Crousse, Delacel, Achillea, Lady L. Bramwell, Couronne d'Or, Prolifica Tri-color, Louis Van Houtte, and various other fine sorts. With any order of above for \$5.00 I will include one plant of Baroness Schroeder, free. I have the largest stock in America of Lady A. and andra Duff (absolutely true) and many other fine varieties. Send for catalogue.

W. L. GUMM, Peony Specialist
Remington, Indiana

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS,
AZALEAS, CONIFERS, CLEMATIS,
H. P. ROSES, SHRUBS, AND HER-
BACEOUS PLANTS.

P. OUWERKERK, 216 Jane St., Weehawken Heights
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CYCLAMEN

Best strain in existence.

4 inch	\$35.00
3 inch	50.00
4 inch	75.00

THOMAS ROLAND,

Nahant, Mass.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. M. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

Crop Report of Hjalmar Hartmann & Co., Copenhagen.

Sept. 1st, 1914.

Cauliflower. "Erfurter Dwarf." The earliest and later varieties will probably give normal crops, and as last year's crop was large and of high quality the stock will be ample.

"Danish Giant." This variety, which is developing slower, has suffered much from the continued drought in June-July. The crop will be very small, about one-quarter of the normal.

Cabbages will, as far as we can see, give generally a little below normal crop; still some varieties will give more, especially on places where the attacks of insects have not been so serious. The seed will no doubt be of good quality.

Sprouts have given a rich crop.

Carrots. The summer has been rather favorable for this crop, even if the drought will possibly somewhat effect the quantity. We count on an earlier crop, and consequently an extra fine quality.

Beets. The result of this culture is rather doubtful. The roots planted out came very late in growth, and have, on account of the drought in June-July only developed rather weak seed stalks. Later on there have been strong attacks of insects, which checks the formation of the seeds. After the rainy period in the end of July, the plants came in growth again, and the formation of the seeds has, therefore, taken place twice, which will retard the harvest very much, and the result of this culture is not very promising. We will try by harvesting the seed at different times to procure as full ripened a quality as possible.

Turnips. The harvest is finished and gives a normal crop of very high quality.

Radishes. The cultures have been much checked by the drought and following attacks of injurious insects. Later on rain caused a new growing period. The plants are now standing with partly ripened seed of first flowering, at the same time the second flowering is not over. The harvest of this culture will therefore be rather difficult, as it may take place at different times. We dare not count on more than half the crop.

Swedes. The harvest is finished under the best conditions. The crop, however, is only about half.

Mangolds. The plants have had a very difficult growing period caused by drought. Furthermore, there have been unusually strong attacks of insects. Later on the rain, however, had ameliorated the outlook considerably, and we hope that the crop will be only little below normal.

Other seed cultures especially those of which the flowering and seed formation took place early in the summer,

LILIUM FORMOSUM

We are in a position to supply specially selected stock of this favorite type of Easter Lilies. Our bulbs have been grown from the original true type and none better can be obtained at any price. We advise immediate ordering, as the stock is limited.

GREEN STEM STRAIN—(FOR EARLY BLOOMING)

	Bulbs in each		Per doz.	Per 100	Per 1000
	case				
6 to 8 inches	100		\$0.60	\$4.50	\$40.00
7 to 9 inches	300		1.00	6.75	62.50
8 to 10 inches	225		1.30	8.75	80.00
9 to 10 inches	200		1.60	10.25	95.00
10 to 12 inches	150		2.25	15.00	140.00
12 to 14 inches			2.50	18.50	175.00

DARK STEM TYPE—(FOR EASTER BLOOMING)

	Bulbs in each		Per doz.	Per 100	Per 1000
	case				
6 to 8 inches	100		\$0.80	\$5.25	\$48.00
8 to 10 inches	225		1.60	10.00	92.50
9 to 10 inches	200		1.80	12.50	105.00
10 to 12 inches	150		2.25	15.00	140.00

Cold Storage Lilium Giganteum

Just the kind to grow for Thanksgiving and Xmas. Only a few thousand left, which we offer at special low price.

7 to 9 inch size, per case of 300, \$21.00; \$70.00 per 1000.

Paper Whites, Romans, Freesias, Callas, Lil. Harrisii ready now

For full line of Bulbs and seasonable seeds write for our new Wholesale Catalog

HENRY F. MICHELL CO. 518 Market Street, PHILADELPHIA, PA.

or after the dry period, will evidently give good crops. This includes grass seed, of which Denmark exports large quantities, and which, owing to the high purity, has gained the first place in the trade. The varieties which are grown here on a large scale are: Orchard Grass, Meadow Fescue Grass, as well as English and Italian Rye Grass and Rough Stalked Meadow Grass.

Westchester Pryde is an elegant little tomato as seen in a basket of sample fruit shown by Burnett Bros., New York, who are introducing it. In uniformity of color and form it leaves nothing to be desired. It is suitable for garden culture or forcing and is said to be very prolific.

NEW CORPORATIONS.

Milwaukee, Wis.—Milwaukee Seed Company, increasing capital stock from \$25,000 to \$50,000.

New Rochelle, N. Y.—Wade Nursery Company, capital stock \$2500. Directors, Thos. J. Wade, Susanna Wade, Jos. J. Taylor.

Duluth, Minn.—Greysolon Nursery Company, capital stock, \$50,000. Incorporators, C. E. Roe, Louis Christensen, E. R. Cobb, J. A. P. Neal and T. W. Walker.

The Board of Trustees of the Missouri Botanical Garden have sent out invitations for the celebration of the twenty-fifth anniversary of the garden, under the control of the trustees and as a public institution. It was planned to have a representative from every botanical garden of importance in the world. The elaborate program which had been arranged will have to be altered because of the European war. Many eminent botanists who had accepted a place on the program will be unable to attend.

NEWS NOTES.

Fairhaven, Mass.—James Garthley, superintendent of the H. H. Rogers estate and his assistants have been presented with checks in appreciation of their long services. The estate is to be dismantled and sold. Mr. Garthley has been on the place 26 years. He intends to go into commercial floriculture.

Poughkeepsie, N. Y.—That the violet growing industry in Dutchess county is on the increase is evidenced in the fact that John M. Ham and Walter M. Van Steenburgh have formed a partnership for the conducting of a violet raising business with headquarters at Red Hook. The firm will erect a number of new violet houses in Red Hook, and it is expected will have a large output.

New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.
ASTERS—All varieties.
VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St.

STAMFORD, CONN.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.



THE KENILWORTH GIANT PANSY SEED

For fuller description see my ad in July and August Horticulture or send for list. 1000 seeds, 25c; 5000, \$1.00; 1 1/2 oz., \$1.25; 5 oz., \$5.00. Princess New Upright Pansy. 500 seeds, 25c; 1000 seeds, 50c; 1 1/2 oz., \$10.00.

\$1.25; 5 oz., \$5.00. Princess New Upright Pansy. 500 seeds, 25c; 1000 seeds, 50c; 1 1/2 oz., \$10.00.

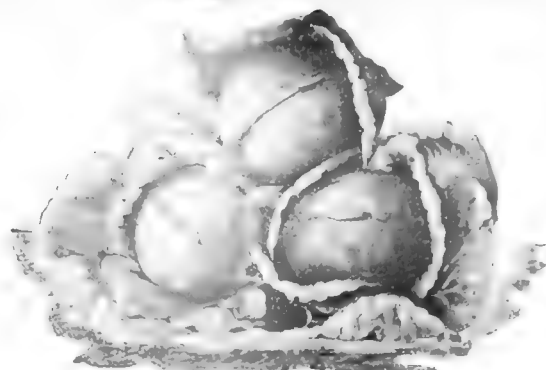
CHAS. FROST
Kenilworth
N. J.

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm

WAR CONDITIONS IN DENMARK

HJALMAR HARTMANN & CO., Copenhagen, whose representative, Mr. Einar Knutsson, just arrived in the United States, report that they will be able to fill their Seed contracts in full, and expect even a surplus.

Orders placed now for Danish Seeds will in all probability be delivered in due time, as the Danish ships sail under neutral flag. We are ready to make quotations and invite correspondence.

SPECIALTIES: Cabbage, Cauliflower and Rootseed, Roses, Lilac and Lily of the Valley Pips

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When writing to advertisers kindly
mention HORTICULTURE.

**Of Interest to Retail
Florists****THE FLORISTS' BUSINESS FROM A
RETAILER'S POINT OF VIEW.**

(A Paper by Chas. F. Edgar before the
Lancaster (Pa.) Florists' Club.)

The retail florist of today, to make his business a paying proposition and be successful, must be original, artistic and up-to-the-minute, there having been so many changes in this particular line the past ten or twelve years.

In the olden times the customer who made a floral purchase would, nine times out of ten, have his mind made up as to about what he would want, but things have changed. Today it is strictly up to the one behind the counter to make the suggestion and the one who can suggest something out of the ordinary is one who will win out in the long run. Clusters, baskets and wreaths of the various forms are becoming more popular every day and must be worked up in many different combinations and color schemes. Then comes the corsage bouquet of numerous types made up for street wear and dances. Flowers for the sick are made very presentable by being put in a basket with a water receptacle or packed loose in a box. All of these suggestions are looked for from a striving retailer as the public is becoming more educated every day as to the varieties and keeping qualities of many cut flowers that are now grown.

The appearance of one's shop and the courtesy shown by the clerks carry great weight with the prospective buyer. In other words one must act as if nothing is a trouble to satisfy his customer. The window should be kept up-to-the-minute with seasonable stock and new ideas as to the uses of our productions, as this is the main advertising medium, and should not be neglected under any consideration. Then it is up to him to turn out the best workmanship possible and give a dollar's worth for a dollar.

Right here might come in the cutting of prices. I would not maintain that a uniform price is the "proper caper" but I do maintain that to cheapen the price because there is a surplus on the market is of no benefit to any one. The sales are not increased to any appreciable extent and the person buying them does not properly appreciate what they buy from the fact that they are a cut-price article. This could be enlarged upon indefinitely but I want it well discussed from the different points of view of our members here.

The retailer who does not grow his own flowers or plants and has to purchase all of his stock, must look to the commission man or grower for his main support, and in this case the grower should work with his commission man and keep him posted. The commission man can advise his retailer just what stock to purchase and push and by all working together in the so-called co-operative way we all derive benefit. This city is without a doubt the most up-to-date town for its size on the map, not only in our line but in all enterprises.

**JOHN BREITMEYER'S
SONS**

Cor. Broadway and Gratiot Aves.
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**Artistic Designs . . .
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We cover all Michigan points and good sections of Ohio, Indiana and Canada.
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field St.

Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

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Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
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New York—J. H. Small & Sons, 1153
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building.

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Pittsburgh, Pa.—Miss Nellie G. King,
7141 Kelly street.

La Crosse, Wis.—La Crosse Floral
Co., 510 Main street.

Denver, Col.—Alpha Floral Com-
pany, 432 16th street.

Chicago, Ill.—Ronsley, the Florist,
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Will take care of all your orders for de-
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HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.

Member of Florists' Telegraph Delivery Association

CHICAGO NOTES.

A. Ringier is again able to be at his office at W. W. Barnard's, after a severe illness.

At A. Lange's, customers leaving the store are presented with three roses which is a timely form of advertising.

Dearborn street has not been a particularly good street for florists but Ronsley, Florist, is starting there and his friends wish him success.

Paul Reissig will operate the Riverside Greenhouses for the owner, who has not succeeded in disposing of the property which he purchased in the settling of the Reissig estate.

As usual Poehlmann Bros are exhibiting at the Illinois State Fair at Springfield. August Poehlmann is representing the firm; G. A. Anderson, the plant department; and A. F. Longren, the supplies.

The new flower department at Marshall Field's failed to open this week. The installation of the fixtures which are of mahogany like the rest of the store, is progressing as rapidly as possible. Another department will also be operated in the basement.

The azalea and bulb situation is summed up by the large dealers in Chicago as a great source of annoyance. The bulb orders now seem to be filled in full and in addition this market is likely to be demoralized by having the stock which usually went to the warring countries, dumped upon it at prices much below contract rates. Most growers had given up azaleas and a big stock of other import plants planned for, but during the past week bills have begun to come in from stock already shipped.

The past week saw two openings on Wabash avenue. Harry Rowe Co. ask for both wholesale and retail patronage, and have a very light and commodious place on the ground floor at 160 N. Wabash. The retail salesroom is nearly square, a good shape for artistic arrangement and for convenience. The rear room is large and much of it double decked. Frank Potocka is already doing business but will have a more formal opening next Saturday. The Frank Co. is a wholesale commission house and its basement rooms at the corner of Wabash Ave. and Lake street are very light. Frank is well known and liked in the market.

BUSINESS TROUBLES.

F. C. Viereck, retail florist, Columbus, O., is reported in bankruptcy.

Houston, Texas.—Receivership proceedings have been instituted against the Alvin-Japanese Nursery Co.

WASHINGTON NOTES.

As a result of an explosion of gas in a conduit on Twenty-second street, a horse owned by Charles H. Merryman, which was standing directly over a manhole, was so badly hurt that it had to be shot and several persons narrowly escaped injury.

Frank Belgiano, son of the head of the firm of F. W. Belgiano & Co., met with quite a severe accident last week, his right wrist being broken while he was cranking his machine. He was assisted to his home and while his arm will remain in a sling for some time he will soon be able to be about.

The business of the Washington Florists' Exchange at 1214 F street, Northwest, has been taken over by the Leo Niessen Company of Philadelphia. At this store hereafter much larger stocks will be carried and an effort will be made to secure a share of the southern business. Negotiations have already been entered into for the supply of seasonable goods. Albert Schnell will remain at the store as its manager.

The growers in and around Washington are complaining of a difficulty in the production of dahlias this season. It seems that the plants grow to unseemly height, some Brutons nine feet high, and the flowers mature only in spots. One of the large growers states that after staking and tying his plants he was forced to repeat the operation and at that the branches filled up the alleys left between the rows. There are a large proportion of blind eyes and the buds seem to have been injured in some manner and the stalks are very brittle. The intense heat of the summer cannot be blamed for this condition for the past two weeks have been very cool and this should have brought the dahlias out in large quantities. The trouble is not with any one variety or grower, for complaints are coming from all directions.

Mr. and Mrs. W. F. Gude, George W. Hess, Supt. of the Botanic Gardens, F. V. Mulford of the Dept. of Agriculture, Mr. and Mrs. R. Vincent, Jr., of White Marsh, Md., Jesse King, Mt. Airy, Md., Robert Creager, Thurmont, Md., and Peter Groff, Frederick, Md., were among the members of the receiving party at the reception tendered by Frank Hargett, of Frederick, Md., to the visiting horticulturists on the occasion of the opening of an exhibition flower garden at his home in that city.

The reception and exhibition form a part of Mr. Hargett's campaign for a public park and flower garden, and to show just what could be done by the people of Frederick to beautify their city, the Department of Agriculture, the Botanic Gardens, Gude Bros., W. Atlee Burpee, Henry F. Michell, Robert Craig Co., Peter Henderson & Co., R. Vincent, Jr., & Sons Co., Conard & Jones, A. N. Pierson, Inc., David Groff, John Cook, Henry Bester & Sons, and Jesse P. King, made large contributions of plants and cut flowers. Each offering was neatly tagged to show the name of the donor. The grounds were attractively decorated with electric lights and in the center of the main display was an electric fountain. Refreshments were served throughout

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And Neighboring Towns

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Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

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'Phone West 822

REUTER'S

Members Florists
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STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence

the evening and more than two hundred guests enjoyed themselves to the utmost. The presentation of a handsome collection of dahlias by Mr. Vincent proved quite a surprise to Mr. Hargett and these were placed on exhibition in the latter's home.

Among the speakers were Milton O. Urner, of Frederick, who introduced Mr. Gude as the master of ceremonies, the latter giving a very interesting talk on the good work done by Mr. Hargett; Messrs. Vincent, Hess, Mulford, Bert W. Anspen, of Maryland Agricultural College, Dr. Joseph H. Apple, president of Hood College; Oliver Wrenn, Dr. C. T. Forester, and Prof. Sidney Stabler.

NEWS NOTES.

Indianapolis, Ind.—Following a dispute over a transfer, H. W. Reiman was knocked from a street car by the conductor and badly bruised and cut. The conductor was arrested on a charge of assault and battery.

Pittsburgh, Pa.—The McCallum Company, wholesale florists, suffered a loss of about \$1000 on their stock, in a fire which caused heavy damages in the block in which their store is located, on the night of September 15.

Grand Rapids, Mich.—The Wealthy Street Floral Company is building a conservatory for the better display of flowering plants. The building will be 63x20 feet and about 20 feet in height, with plate glass front and distinctly ornamental in design.

Waltham, Mass.—James T. Sillman, florist, undertook to crank a motor truck as it stood at the curb before his shop on September 23. But the clutch was on, and the car ran over him. But ten feet ahead, Wm. C. Howe was cranking his small car, when the truck, running wild, hit it in the rear. Mr. Howe was knocked down and both his own car and the truck passed over him. Howe is on the dangerous list. Sillman is bruised.

KOMADA BROS.

Manufacturers of all kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

During Recess

POOR RICHARD CLUB AT FORDHOOK FARM.

"Hark! Hark! the dogs do bark,
The beggars are coming to town;
Some in rags and some with gold,
And some in velvet gowns."
—(Old Ballad.)

The ancient and honorable body of mendicants, known to the layman under the pseudonym of the Poor Richard Club, descended in force upon the beautiful estate of Fordhook, overlooking the Neshaminy Valley, near Doylestown, to once more enjoy the hospitality of the Laird o' the Manor, Mr. W. Atlee Burpee, or know the reason why.

Mr. Burpee, instead of "Mounting barbed steed to affright his fearful adversaries," met the invaders at Burpee's crossing and after parley with Chief Kolb, induced him to have his cohorts lay down bill hooks and cross-bows and accept in lieu thereof the peaceful corn stalk. Thus equipped, and led by three stalwart pipers, arrayed in full Highland costume of the

house, and promptly bowled over the catcher. Soon every pumpkin was being sent hurtling down hill, bowling over players and spectators alike, and in all likelihood, pumpkin bowling will become a feature in future outings, but "I hae me doots."

After dinner, at which Mr. Burpee presided, an original poem was read by

Remember that you can't MEYER
SILKALINE.
It is so good
MEYER GREEN SILKALINE
and has the strength of
V. OUR GREEN SILKALINE
is so wanted up to the high standard
The sizes are 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
by all the best jobbers. If you cannot
get it of your jobbers, order direct of
the maker.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing advertisers kindly mention HORTICULTURE.

were no mosquitos. We have discovered how to fool the mosquitos. Have an old hay wagon with cowbells on it to meet you at the station. Pap 'Skeet says to Ma 'Skeet and the kids: "Pshaw that's a bunch of dried up leather-hided Jersey natives; let's hunt something juicy!"

A German submarine plucked off the



POOR RICHARD CLUB OF PHILADELPHIA AT FORDHOOK FARMS.
Photo Taken in Mrs. Burpee's Old Fashioned Garden by Geo. W. Kott

Royal Stewart Clan, they were taken peacefully into camp, the long line of marching cornstalks making one think that "Birnham wood hath removed to Dunsinane."

After refreshments had been served, the captured and captivated Poor Richards were taken a tour of the Burpee Farms, preceded by the aforesaid leather-lunged pipers, who by the wild skirling of their pipes, conveyed to the astonished and affrighted nations that the "Richards were coming Oh Ho! Oh Ho! or something to that effect.

On the return the outfit was duly "mugged" as they say in polite police circles, after which an impromptu "tug-of-war" was "pulled" between the city-bred folk and the country-bred folk, resulting in the most ignominious defeat of the city-bred team.

This seemed to fire the athletic prowess of other Poor Richards and a baseball game was soon in progress. Some low-minded person, "crabbed" the game by seizing one of the pumpkins used in decorating the Manor

Optimist Hodges. An unanimous vote of thanks was conveyed to Mr. and Mrs. Burpee, through the medium of Mr. Thos. A. Daly, for the perfect hospitality extended to the club, Mr. Burpee replying in a few well chosen words, with an invitation to each member who had either sweetheart or wife to take home a basket of peaches. (It was noted that some members took two baskets.) The bachelors were privileged to carry home a pumpkin and served a drink of "Scotch."

The outing ended by every one joining in the song of

"Good night, Burpee
We are going to see you."

For which I make no doubt Mr. Burpee was duly grateful.

WILLIAM BURPEE

THE OLD GUARDS' ASSOCIATION.

There was a good turnout of the "Old Guard" at Waretown on the 18th, 19th and 20th and everybody had a good time. The weather was ideal, the fishing outside good and there

propeller of the "Emily" five miles out to sea; but the U. S. came bravely to the rescue. Coming down the lane from the Post Office to the bungalow some foreign spy planted a cedar tree right in the middle of the road, and in the dark a member bumped into it. Being English, he apologized first and swore afterwards. Much fun; some excitement; and noise enough to drown the everlasting boom and roar of the old Atlantic. The oldest and staidest of them acted like a lot of bairns out for play. Which is just exactly as it should be. 'Nuff sed.

G. C. WATSON.

**THE Florists' Supply
House of America**

H. BAYERSDORFER & CO.

1129 Arch St., Philadelphia, Pa.

170 ACRES OF DAHLIA

We offer you an unusual assortment of varieties, all that have proven their value as a cut-flower, many novelties and new kinds, exclusively with us. They are business producers for our customers.

The Leo Niessen Co.

WHOLESALE FLORISTS

N. W. Corner
12th and Race Sts.. **PHILADELPHIA**

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your product

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supply of the product of
the best growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

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THOSE
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Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 21	CHICAGO Sept. 21	BUFFALO Sept. 21	PITTSBURG Sept. 14
Roses				
Am. Beauty, Special.....	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 18.00
" " Fancy and Extra.....	18.50 to 15.00	15.00 to 20.00	12.00 to 15.00	10.00 to 12.50
" " No. 1.....	8.00 to 10.00	6.00 to 10.00	10.00 to 12.00	4.00 to 6.00
Killarney, Richmond, Extra.....	4.00 to 6.00	5.00 to 8.00	5.00 to 6.00	3.00 to 8.00
" " Ordinary.....	2.00 to 4.00	3.00 to 5.00	2.00 to 3.00	6.00 to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00 to 6.00	5.00 to 8.00	4.00 to 5.00	6.00 to 8.00
" " Ordinary.....	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00	3.00 to 4.00
Maryland, Taft, Extra.....	4.00 to 6.00	5.00 to 8.00	5.00 to 6.00	6.00 to 8.00
" " Ordinary.....	2.00 to 4.00	3.00 to 5.00	3.00 to 4.00	3.00 to 4.00
Russell, Sawyer.....	4.00 to 6.00	5.00 to 18.00	5.00 to 6.00	6.00 to 8.00
Carnations, Fancy.....	..... to 1.00	1.00 to 2.00	1.00 to 1.50	..... to 2.00
" " Ordinary.....	..... to 2.00	..... to 1.00	..... to 1.00	..... to 1.00
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	40.00 to 50.00	30.00 to 50.00
Lilies, Longiflorum.....	8.00 to 10.00	5.00 to 8.00	8.00 to 10.00	8.00 to 10.00
Lily of the Valley.....	4.00 to 6.00	4.00 to 6.00	..... to 4.00	2.00 to 4.00
Asters.....	1.50 to 3.00	1.00 to 3.00	.40 to 2.00	1.00 to 3.00
Gladholi.....	2.00 to 5.00	2.00 to 5.00	1.00 to 3.00	2.00 to 4.00
Corn Flower.....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Chrysanthemums.....	..... to 8.00	8.00 to 20.00	15.00 to 20.00	..... to 2.00
Dahlias.....	2.00 to 4.00	..... to 1.00	1.00 to 2.00	.50 to 2.00
Sweet Peas.....	..... to .20	..... to .30	..... to .30	..... to 2.00
Gardenias.....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Adiantum.....	..... to 1.00	..... to 1.00	1.00 to 1.25	..... to 1.00
Smilax.....	..... to 12.50	10.00 to 15.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, Strings (100)..... to 50.00	40.00 to 50.00	40.00 to 50.00	30.00 to 50.00
" " & Spreng. (100 bchs.).....	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00	30.00 to 40.00



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Flower Market Reports

BOSTON The market has sustained quite a set back this week, for which the unseasonable hot weather must take the responsibility. Roses, carnations, asters, chrysanthemums, etc., are all being piled up in the wholesale marts with the prospects for moving them out appearing very slim. Roses are quite good, especially in the higher grades. Carnations are steadily improving in length of stem but require cooler weather before the flowers are up to class. Asters run small and poor and unless more favorable weather conditions are had they will soon quit the game. There are still some gladioli but there is little or no demand for them. The call for lily of the valley has dwindled this week. Altogether it is a very tame and uninteresting situation at present.

BUFFALO We have experienced a week of severe hot weather which has tended to keep the flower business down to some extent. The supply has been heavy on everything, but the heaviest part of the aster and gladiolus season has past and some improvement may soon be seen in the condition of the market. Roses of new crop are coming in heavy and don't carry well these hot days. The same with Beauties, though the Beauty sales were much better than a week previous. Lilies have shortened up and have finally got back to regular prices. It may be said that, considering the amount of stock that comes into the market, something is realized, though no fancy prices.

CHICAGO Busy days are getting to be a little closer together and all that florists need to make business lively is the killing off of the outdoor flowers. The summer has been a particularly favorable one to the home gardens and flower lovers can gratify their taste without the help of the florist. Fall openings are taking place at the big stores and social events are well under way. Clubs are again called to order and all means the use, more or less, of flowers. Roses are not any too plentiful, for the demand would hardly stand the top prices, and practically all sell. Carnations are doing the same and good stock brings a fair price. Asters are in the last chapters of a rather poor story. Early asters did not sell well. Mid-season asters were small and poor and late asters are competing with eastern stock which outclasses them. There are just about lilies enough. Lily of the valley is scarce and high. Chrysanthemums are fast gaining ground. Quite a variety are now coming, including fairly big ones. Comparatively few out of door flowers, excepting asters are offered. Smilax is seen in long heavy strings. All other green seems abundant.

CINCINNATI Warm weather for the past fortnight has brought in a heavy cut and over supply of flowers and a considerable depreciation in quality. Roses and asters were the worst offenders. The former came in with a rush and met with a very poor market; the latter showed the end of



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ASTERS. We are getting plenty of the late varieties. Price lot, \$1.00 and \$2.00 per 100.

CATTLEYA LABIALA, \$8.00 per doz.

Sphagnum Moss, 10-11 bales burlapped, per bale, \$4.00.

Wild Smilax, per 1000, \$6.00.

Bronze Galax, per case of 10,000, \$8.50.

Green Galax, per case of 10,000, \$7.50.

Dagger Ferns, per 1000, \$1.50.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 24	ST. LOUIS Sept. 21	PHILA. Sept. 15
Roses			
Am. Beauty, Special	15.00 to 20.00	20.00 to 25.00	15.00 to 20.00
" " Fancy and Extra	6.00 to 12.00	10.00 to 15.00	10.00 to 12.50
" " No. 1	4.00 to 6.00	5.00 to 8.00	3.00 to 8.00
Killarney, Richmond, Extra	1.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" " Ordinary	3.00 to 3.00	1.00 to 2.00	1.00 to 3.00
Hillingdon, Ward, Sunburst, Extra	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" " Ordinary	3.00 to 3.00	2.00 to 3.00	1.00 to 2.00
Maryland, Taft, Extra	6.00 to 6.00	4.00 to 5.00	4.00 to 6.00
" " Ordinary	3.00 to 3.00	1.00 to 2.00	1.00 to 3.00
Russell, Shawyer	3.00 to 4.00	4.00 to 5.00	3.00 to 8.00
Carnations, Fancy	1.00 to 2.00	2.00 to 3.00	1.00 to 1.50
" " Ordinary	.75 to 1.00	1.00 to 1.50	1.00 to 1.50
Cattleyas	20.00 to 40.00	40.00 to 50.00	50.00 to 60.00
Lilies, Longiflorum	6.00 to 6.00	6.00 to 8.00	6.00 to 8.00
Lily of the Valley	4.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Asters	1.00 to 1.00	1.00 to 1.00	1.00 to 2.00
Gladioli	3.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Corn Flower	5.00 to 5.00	10.00 to 10.00	10.00 to 15.00
Chrysanthemums	1.00 to 1.00	2.00 to 2.00	1.00 to 2.00
Dahlias	1.00 to 1.00	1.00 to 1.00	.35 to .75
Sweet Peas	20.00 to 20.00	20.00 to 20.00	20.00 to 20.00
Gardenias	1.00 to 1.00	1.00 to 1.00	7.00 to 1.00
Adiantum	12.00 to 12.00	15.00 to 15.00	15.00 to 15.00
Smilax	45.00 to 45.00	50.00 to 50.00	35.00 to 50.00
Asparagus Plumosus, Strings (100)	1.00 to 1.00	35.00 to 35.00	25.00 to 25.00
" " & Spreng. 100 Bunch	1.00 to 1.00	15.00 to 15.00	25.00 to 25.00

the season's cut and was very heavy. Cosmos, up to this time, has been selling readily and bringing a higher price than during the corresponding period last year. Carnations are still limited in numbers and do not have the good market they would have were it not for the influx of asters. The cuts of longiflorum and rubrum lilies are large and fully able to take care of every call for them. Lily of the valley meets with a steady request. Orchids are in a limited supply. Dahlias sell better than before but do not as yet enjoy a good market. Gladioli are plentiful. Wild smilax has been finding particular favor because of the store openings.

NEW YORK A very sluggish market has followed the spurt of activity which in the latter part of last week led to hopes of a permanent improvement. The unusually hot weather for this date has accelerated production and at the same time affected the quality to such an extent that there has been an unwieldy surplus of material in the markets, much of it in poor condition, especially the roses. Cattleyas are coming in rapidly, very high quality flowers, but the demand for these regal blooms seems to have gone to pieces this season and it does not require many of them to clog the

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ROSES AND CARNATIONS	Last Half of Week ending Sep. 19 1914		First Half of Week beginning Sep. 21 1914	
American Beauty, Special	20.00	to 35.00	20.00	to 25.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 20.00
" " No. 1	5.00	to 10.00	5.00	to 10.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary .....	.50	to 2.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 5.00	3.00	to 5.00
" " Ordinary .....	.50	to 2.00	1.00	to 3.00
Maryland, Taft, Extra	5.00	to 8.00	5.00	to 8.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Russell, Shawyer	5.00	to 8.00	5.00	to 8.00
Carnations, Fancy Grade	to 1.50	to 1.50
" " Ordinary50	to 1.00	.50	to 1.00

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Flower Market Reports

(Continued from page 465)

movement and break down the selling price. Oncidiums of fine finish are also abundant. Chrysanthemums are increasing and improving perceptibly. Asters are in wretched shape, due in part to the lack of rain for the past three weeks. If some first-class asters could be produced they would probably sell well, but the stuff now exposed for sale is despised by all. Dahlias, probably because of recent weather conditions, are the worst we have ever seen. A few gladioli are still coming in. Cosmos is quite plentiful. Lilies have reached a good equilibrium. It would appear from the color proportions of the roses now coming in that many growers have been planting the yellow varieties to a larger extent than ever before. It is a question whether they may not have overloaded the market on this color. A larger proportion of white than is now in evidence, would seem safer.

PHILADELPHIA

Business continues to improve a little, but it is not yet quite up to the standard. Roses are getting better in quality and the oversupply is not so prominent. Carnations are also very much improved both as to stem and flower and they are selling very well. Dahlias are not as plentiful as usual at this season, as they have had very little rain in the growing districts for some time. The flowers are very good but stems are short. The demand is excellent. Gladioli are practically over for the season and these cease to be a factor until the indoor stocks begin to arrive. Orchids are more plentiful and a good supply of excellent cattleyas are available at moderate prices. Vandas, dendrobiums and oncidiums are also to be had in limited quantity. The supply of the early chrysanthemums is below normal—very few to be seen around. Bronze hydrangea heads add a pleasing note to the list of decorative material and these are in good supply, as are also eulalia plumes, the latter very graceful and useful.

ST. LOUIS

A slight improvement was noticed, but very slight, in the early part of last week, but the time for good steady business has not yet arrived. To say that the market has been glutted for the past week is putting it mildly, and when we say prices are low we could use the same expression. Of roses in all varieties there have been so many of late that many thousands were sold for near nothing. Among the many outdoor flowers coming in now are dahlias, gladioli, asters, tuberoses and cosmos. The carnation crop promises to be heavy in a few weeks and business will have to pick up greatly to consume half of the stock that will crowd this market for the next month or so. Never before has the market been so crowded up and business so slow as this season so far.

WASHINGTON

Cosmos, tritomas and other fall flowers are beginning to glut the market to the exclusion of greenhouse products and it will not be long before they cause the shelving of the latter stock. As is usual this is a very dull period with the stores and

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MISCELLANEOUS

	Last Half of Week ending Sep. 19 1914	First Half of Week beginning Sep. 21 1914
Cattleyas.....	40.00 to 50.00	15.00 to 40.00
Lilies, Longiflorum.....	4.00 to 5.00	5.00 to 6.00
Rubrum.....	2.00 to 4.00	2.00 to 4.00
Lily of the Valley.....	4.00 to 5.00	4.00 to 5.00
Asters.....	.10 to .50	.10 to .50
Gladioli.....	1.00 to 3.00	1.00 to 3.00
Corn Flower.....	.....	.....
Chrysanthemums.....	8.00 to 12.00	8.00 to 12.00
Dahlias.....	.50 to 1.00	.50 to 1.00
Sweet Peas (per 100 bunches).....	.....	.....
Gardenias.....	5.00 to 15.00	5.00 to 15.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	8.00 to 10.00	8.00 to 10.00
Asparagus Plumosus, strings (per 100).....	25.00 to 35.00	25.00 to 35.00
& Spren (100 bunches).....	15.00 to 25.00	15.00 to 25.00

the increased competition of this sort of stock is not meeting with the approval of the dealers. Stock is coming into the market in better shape. Carnations do not amount to much but chrysanthemums are improving greatly. The smaller varieties of asters are shorter in supply and dahlias are scarce. Roses are beginning to take shape worthy of commendation, more especially American Beauty roses which can be had with stems four feet or more in length at \$3, with the price shading down to \$1.50 per dozen for the less desirable. Orchids, singles and sprays, are to be had in larger quantities and very fine qualities. Good cattleyas are bringing \$6 to \$7.50 per dozen, although the call is limited. Ferns are beginning to sell better and several of the stores are holding large sales of these at odd prices. Business is expected to improve considerable within the next week or ten days and the dealers and clerks are preparing for a strenuous fall and winter trade.

PHILADELPHIA NOTES.

Samuel S. Pennock and family have returned to Lansdowne after a month's sojourn at Christmas Cove, Me.

Otto Bauer, late of the Washington Florists' Co., will be the new manager of the Washington branch of the S. S. Pennock-Meehan Co. instead of Clarence Watson as at first reported. Mr. Bauer will enter on his new duties Oct. 1.

William Kleinheinz and John H. Dodds have the honor to report: back home from their European sojourns and on their jobs. Wm. F. Dreer is expected about the 26th—via Marseilles. Mr. Dreer lost his automobile on the border as he entered Switzerland.

The Truckers' Convention will be held in Horticultural Hall, Oct. 6 to 9 inclusive. The program of the convention is as follows: Tuesday, Oct. 6, morning, business session; address of welcome by Mayor Blankenburg and response by Dean Watts, of State College, president of the Vegetable Growers' Association. Afternoon, automobile trip to Bustleton produce district. Evening, public meeting and questionnaire, led by Professor Clyde L. King, of the University of Pennsylvania. Wednesday, morning, discussion of soil problems by Professor Jacob G. Lipman, director of the New Jersey Agricultural Experiment Station, and Dr. Oswald Schreiner, of the U. S. Department of Agriculture. Afternoon, trip to Bridgeton, N. J. Evening, annual banquet. Thursday, morning, discussion on cooperation, led by Professor Paul Work, N. Y. State College of Agriculture. Afternoon, election of officers and business session. Evening, public questionnaire, led by Professor King. Friday, morning, visit to Philadelphia markets, under the auspices of William H. Ball, chief of the Bureau of City Property. Afternoon, final business and adjournment.

Cincinnati, O.—A. C. Heckman, Jr., and Alex. Ostendarp, proprietors of the Cincinnati Cut Flower Exchange, have dissolved partnership. Mr. Ostendarp will continue the business under the same name.

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Lorraine,	2 1/4 in.	Per 100,	\$12.00
"	3 in.	"	20.00
"	4 in.	"	35.00
"	5 in.	"	50.00
Cincinnati,	2 1/4 in.	"	15.00
"	3 in.	"	25.00
"	4 in.	"	40.00
"	5 in.	"	60.00

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King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

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BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on
demand. JULIUS ROEHR'S CO., Ruther-
ford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch. 8-10 Bridge St.

CANES

Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.

CANNAS

Canna Specialists.
Send for Canna book

THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.

New Carnation Alice.
For page see List of Advertisers.

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

CARNATIONS—Field-grown, strong,
healthy plants; white seedlings, very fine,
free bloomers; red seedlings, similar to
Bonfire and Enchantress, \$3.00 per 100
\$25.00 per 1000. Cash with order, please.
JOHN S. GREEN, Morristown, N. J.

Carnations: Light Pink Enchantress,
and a few Rose Pink Enchantress, new
bushy plants, free from disease; \$5.00 per
100, \$45.00 per 1,000; Giant Stevia, 2 1/4 inch
pots, \$2.25 per 100; Boulevard, pink and
white, 2 1/4 inch pots, \$4.00 per 100. Cash
with order, please. MOREL BROS., 622 E.
Market Street, Scranton, Pa.

CARNATION STAPLE

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 2000 for \$1.00 post paid. I. L.
PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CYBOTICUMS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

Cyclamen from 3 1/4 in. pots, \$15.00 per
100; 4 in., \$25.00 per 100; 5 in., \$50.00 per
100. Finest strain, separate colors.
JULIUS ROEHR'S CO., Rutherford, N. J.

CYPERUS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

DAHLIAS

Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECIDUOUS TREES

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

For List of Advertisers See Page 447

FERNS—Continued

- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- A. M. Davenport, Watertown, Mass.
Ferns in Pots.
For page see List of Advertisers.
- Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.
- Ernest Oechslein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

- 20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.
- Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.
- Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.
- The Plantlife Co., New York, N. Y.
For page see List of Advertisers.
- Farmers' and Florists' Fertilizer Co., Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.
- Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

FLORISTS' LETTERS

- Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.
- M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.
- Reed & Keller, New York City.
For page see List of Advertisers.
- B. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.
- H. Bayeradorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.
- Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.
- Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

- E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.
- W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

- Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

- Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

- R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

- Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

GLADIOLUS

- John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

GLASS

- Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

- Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

- Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

- Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

- Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset, Boston.
Stearns Cypress.
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.
- Hitchings & Co., New York City.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
Pierson U-Bar Co., New York City.
- Metropolitan Material Co., Brooklyn, N. Y.
Lord & Burnham Co., New York City.

GUTTERS

- King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

- Michigan Cut Flower Exchange, Detroit, Mich.
For page see List of Advertisers.
- Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

- Hardwood Ashes for sale. GEO. L. MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

- Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.
- Frank E. Woodward & Co., 19 Friend St., Boston, Mass.
Water Heaters for Greenhouses.
For page see List of Advertisers.
- Lord & Burnham Co., New York City.

HELIOTROPES

- Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

- Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.
- P. Onwerkerk, Hoboken, N. J.
For page see List of Advertisers.
- Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset, Mass.
Lord & Burnham Co., New York City.

HOT HOUSE GRAPES

- R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

HOSE

- H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

HYDRANGEAS

- Anton Schultheis, College Point, L. I., N. Y.

INSECTICIDES

- Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.
- Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.
- Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.
- Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.
- Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."
For page see List of Advertisers.
- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.
- Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IRIS

THE IRIS! THE IRIS!

- 200,000 in 225 varieties from \$1.00 per 100 to \$1.00 per root. Some of the finest on earth. Send 10 cents for Iris manual. C. S. HARRISON SELECT NURSERY, York, Nebr.

- IRIS 10 named varieties German Iris, \$2.00 per 100. AMON HEIGHTS NURSERIES, Camden, N. J.

KENTIAS

- Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

- Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

- Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

- Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.
- R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.
- Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

MASTICA

- F. O. Pierce Co., New York City
For page see List of Advertisers.

MISCELLANEOUS STOCK

- The Storrs & Harrison Co., Palmyra, Ohio.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

NATIONAL NURSEYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louis-
ville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

PANSY SEED

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

PEONIES

W. L. Gumm, Remington, Ind.
For page see List of Advertisers.

T. C. Thurlow's Sons, Inc., West Newbury,
Mass.

Gold Medal Peonies.
For page see List of Advertisers.

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

Peonies: Marie Lemoine and other fine
varieties. Write for list. THOMAS J.
OBERLIN, Sinking Spring, Pa.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PHLOX

PHLOX—Mrs. Jenkins (the best white)
\$3.00 per 100. We need the room and have
20,000 surplus. AMON HEIGHTS NUR-
SERIES, Camden, N. J.

Surplus Hardy Phloxes, named sorts
mixed, to make room, \$12.00 per thousand.
W. F. SCHMEISKE, Hospital Station,
Binghamton, N. Y.

PHOENIX

Phoenix Canariensis, fine large plants.
\$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PRIMULAS

PRIMULA Obconica grandiflora and gigantea Appleblossom, Rosea and Kermesina, 4-in. large plants, \$10.00 per 100, \$95.00 per 1000. Also 200 Cyclamen giganteum, mixed varieties, \$20.00 per 100. Cash with order, please. AUGUST SCHREIBER, 76 N. Main St., Hornell, N. Y.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and
Flower Seeds.
For page see List of Advertisers.

Hjalmar Hartmann & Co., Copenhagen,
Denmark.

Loechner & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and
Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford,
Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and
orchid basket always on hand. LAGER
& HURRELL, Summit, N. J.

S. S. Pennock-Meehan Co., Philadelphia, Pa.

STOVE PLANTS

Orchids—Largest stock in the country—
stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

For List of Advertisers See Page 447

SWEET PEA SEED

Arthur T. Boddington, New York City.
Christmas-Flowering Sweet Peas.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS
The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Wholesale Florists (Continued)
New York

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransdend St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**AMERICAN BEAUTY ROSES.**

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

FINE FERNS FOR IMMEDIATE RETAIL SALE.

F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

GERANIUMS.

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

GLAZING POINTS.

Wm. Elliott & Sons, New York City
For page see List of Advertisers.

LILIMUM FORMOSUM.

Yokohama Nursery Co., Ltd., New York City
For page see List of Advertisers.

LILIMUM FORMOSUM AND GIGANTEUM.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

SEEDS AND BULBS.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

TWO VALUABLE FERNS.

Henry A. Drier, Philadelphia, Pa.
For page see List of Advertisers.

WATER HEATERS FOR GREENHOUSES.

Frank E. Woodward & Co., Boston.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.**HELP WANTED**

WANTED: An Under Gardener wanted to tend garden and keep up lawns. Permanent position. Address "E. H. B." P. O. Box 1723, Boston, Mass.

WANTED: First class man to take charge of end of a nursery in Alberta, Canada. Address "Beaver," care HORTICULTURE PUBLISHING CO., Boston.

SITUATIONS WANTED

SITUATION WANTED: A young man, 21, with private estate experience and two years' agricultural college training, wishes a position as an assistant, manager or caretaker on an estate. Earning \$50 and found now as a gardener, but wishes to change on account of getting married. Address "A," care of HORTICULTURE, Boston, Mass.

WANTED: A responsible position by a competent young man experienced in greenhouse management and private estate work. Chance for advancement valued above salary at start. Massachusetts Agricultural College graduate who wishes to better his present position. Address "G. A.," care of HORTICULTURE.

YOUNG MAN experienced in the greenhouse business, seeks a position in charge of a small place. Will accept commissions on result of his work as part of pay. Address "S.," care HORTICULTURE.

EXPERIENCED GROWER of carnations, violets and pot plants, wants position. Ample recommendations. Address "R.," care HORTICULTURE.

FOR SALE**MUST BE SOLD AT ONCE.**

Large Greenhouse Plant and Farm. Only plant of its kind between Worcester and Springfield. Five greenhouses, central heating plant, steam, two boilers, 150 H. P. Excellent local markets. Modern barn and dwelling house, town water, electric lights, bath, steam heat, piazzas, etc., all buildings in perfect repair. Sandy loam, free from stones, one-third mile frontage on beautiful lake. Can sell shore lots to pay for place. Price \$10,000, part cash. Address

PINE-CROFT GREENHOUSES,
E. Brookfield, Mass.

BOILER FOR SALE

No. 11 Coatsville Heating Boiler; cast iron base, steel plate fire box. Capacity 4,000 sq. ft. direct steam radiation; 6,000 sq. ft. hot water. Been used but little; removed to place a larger size. Requires no brick work, can be placed in position and connected up as simply as a kitchen range. Length, 12 ft.; width, 38 inches; height, 63 inches. 41, 3-in. direct tubes; 21, 3-in. return tubes. Address "C. W.," care HORTICULTURE.

TO LEASE OR SELL.

Two Greenhouses, 5,000 sq. ft. glass, 2,000 Carnations, Violets and other plants. Good location, growing retail trade near cities, eight trains to Boston daily; dwelling house heated and plumbed, fine condition. Special inducements to early occupant. L. A. BOYNTON, Pepperell, Mass.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT and way between Boston and Portland, Me. See advertisement in this issue for particulars and terms address "N. M.," care HORTICULTURE.

FOR SALE—Fresh from factory, new; 16 x 22, 24 x 18, 16 x 24, double and A and B qualities. Market dropped. Now is the time to buy and save a lot. **SHELSKY BROS., INC.**, 215-217 Haver-meyer St., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

ADAPTATION OF PLANTS TO SOILS.

A paper by George E. Stone, Ph. D., Prof. of Botany, Mass. Agricultural College, and Physiologist and Pathologist of Mass. Agricultural Experiment Station. Read before S. A. F. at Boston.

The greatest advance in knowledge concerning the adaptation of crops to soils has been achieved through practice and experience rather than by means of field and laboratory studies of the soil. There are many conditions aside from the surface texture which play a part in this adaptation, such as the nature of the substratum, depth of water table, etc.; and some insight into the subject may also be had by studying the distribution of plants as given in any flora. Where a region has been settled for many generations and deforestation and agricultural practices have been carried on extensively, we find many changes in our soils and consequent modification of the flora. Some of the many factors determining the distribution of plants are complex and difficult to eliminate from other factors, and at present not enough is known about them to determine their real significance.

On soils which only a half century ago supported certain types of vegetation we now find an entirely different flora owing to changes in the nature of the soil; lack of humus contributing largely to this modification. Some plants such as the Canada thistle, were more common forty years ago in some locations than at present, while some other plants which have been growing for some time under cultivation have recently escaped and become pests. It would naturally be supposed that this is due to a change in the environment, such as soil conditions or source of seed. But whether there is in plants as in races of men, a tendency to aggressiveness which sometimes unaccountably breaks out although usually lying dormant, we will not venture to say; still there is some evidence to support such a theory.

Some plants are confined to bogs, some to sandy soils, and others to heavy, compact soils, and many are adapted to a great variety of conditions. Others are limited to salt marshes, and still others to territory within a few miles of the seacoast. Elevation, humus and soil moisture play an important role in plant distribution, and some plants are restricted by what is termed "seed habit," the seeds of certain species retaining their germinating capacity for some time and others for only a few weeks or even days. For instance, the seeds of the willow, poplar, alder and other species native to wet locations remain viable only a few days or weeks, while others will do so for ten to twenty-five or more years. Seeds with a limited term of viability must therefore find suitable conditions for germination during this time, while the others can afford to await their opportunity.

Most garden seeds require a minimum of 2 to 3 per cent. of soil moisture to germinate at all, and for the best germination a higher percentage is required; therefore during dry seasons the seeds of some crops fail to catch. Purslane and pigweed seed,

however, will germinate with a very small amount of soil moisture and flourish when more desirable plants will not; therefore during drought periods we find purslane overrunning gardens and pigweed completely monopolizing newly sown lawns.

The percentage of air in soils plays its part in plant adaptation, as do also the chemical constituents and biological characters. The soil texture or mechanical properties, which are inseparably connected with the air and moisture of the soil, together with the capillarity, etc., are also very important factors in crop production and plant distribution. It should be stated, however, that the specific effect on plant distribution of any one of the factors mentioned is not known; still a great deal is known concerning the effects of chemical constituents on plants, much more study having been given to this subject. Soil differs materially in its chemical composition and mechanical properties, and the configuration of the plant is greatly modified by the different types. Even in a small territory there are characteristic variations in the soil which are of sufficient importance to justify specialization in farming.

The river valleys furnish typical soils adapted to the growth of special crops, the meteorological conditions of these localities also emphasizing the individual character of the crops. The coarse and more friable soils of the Atlantic seacoast (truck soils) are light and porous and are used largely for such market garden crops as lettuce, cucumbers, tomatoes, radishes, etc. The soil characteristic of the Boston district is admirably adapted to truck farming, being very loose and easily worked. It is especially adapted to head lettuce, which is grown more skilfully and successfully in that region than anywhere else. The texture of such a soil is characterized by a predominance of the coarser particles and a relatively small amount of the finer materials such as silts and clay. Except in some few localities the interior soils are not well adapted to the growth of head lettuce; therefore the curly or open type is grown in the heavier and more compact soils of the Middle West. In all its stages head lettuce requires a loose textured soil for perfect development. These soils are manured heavily year after year, and in the greenhouse are never changed; and the large amount of organic matter furnished by the decomposed horse manure renders the soil even better adapted to this particular crop.

A more compact soil is a Connecticut Valley soil, characterized by the large amount of very fine sand and silt. This soil has long been devoted to the growth of tobacco, onions and cucumbers and to some extent, melons. It contains little organic matter since commercial fertilizers are used entirely. The soil may even vary somewhat in its texture in a limited region, and this variation will alone affect the quality and value of a tobacco crop to a considerable degree, and onions to a less extent. The warmer, coarser textured soils are well adapted to melon culture, the crop growing vigorously and maturing early, with less liability to infection from blights, etc.

Asparagus is grown largely in some

sections in very dry, coarse soils having little water retaining capacity although not especially adapted to these conditions. The finer textured soils are much superior for asparagus, which sometimes yields at the rate of \$1,000 per acre. Besides, in light, sandy soils this crop suffers much more severely from rust than in the finer textured soils.

The florist must also consider his soil seriously to obtain the best results. The potting bed soil is usually a coarse soil, well supplied with organic matter to insure looseness of texture. Most plants respond more quickly in a loose textured soil than in one of fine texture because more air can be supplied to the roots, although seeds germinate better and the seedlings make better growth when the soil is slightly compacted. The total exclusion of air from seeds, however, as shown by experiments with a vacuum, prevent germination. A close textured soil tends to have this same effect, depending upon the nature of the seed as well as upon the amount of air received; therefore it becomes necessary to take into account the depth of the planting of seeds in practical agriculture. Certain seeds and plants are much more susceptible to air than others, and artificial aeration of soil is often beneficial. In one experiment where 1500 lettuce seeds were sown in two boxes, in one of which the soil was aerated for a few hours each day, there was a gain of 20 per cent. in germination and 46 per cent. of growth of seedlings in the aerated soil.

Lettuce or white clover seed planted in a close textured soil that has been firmly tamped will fail to germinate at all, while such seeds as plantain will germinate quite freely under the same conditions, showing that the plantain is better adapted to a close textured soil than the other seeds mentioned.

In the more intensive agriculture of the future, aeration of the soil may become practical. Aeration affects the respiration process in seed germination and increases growth, besides having a beneficial effect on the micro-organisms of the soil, which play an important role in soil fertility.

Of the florists' crops which are affected by variations in soil texture, the rose furnishes one of the best examples. This crop requires a heavy, fine textured soil for its best development.

In the Arlington soil, a typical truck garden soil, the coarser particles total 39.15 per cent. and the finer particles, 40.25 per cent. The best rose soils appear to be those possessing 8 to 12 per cent. or more of clay and which are well supplied with other grades of finer particles. The percentage of the very fine sand, silt and clay usually exceeds 75 per cent. in an ideal rose soil, but just how important are the clay and the two grades of silt and very fine sand in making up such a soil cannot at present be determined.

There are many native species of plants which show an adaptation to soil texture, and many species which are confined strictly to certain types of soils. We have our dry sandy soil species; also those dependent upon humus, but the latter type is continually disappearing in some localities. Variations in the chemical constitu-

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING—VAPORIZING—FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN 30 Per Cent Strength For Spraying

APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

LEMON OIL CO'S STANDARD SOLUBLE IN WATER INSECTICIDE NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Series No. 321
Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rosebushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can. . . . \$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
420 W. Lexington St., Baltimore, Md.

Directions on every package

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.

Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

FERTILENE

The Ideal Plant Food.

Unequaled for Producing Lusty Chrysanthemums

Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**



Unequaled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago



IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

AETNA BRAND TANKAGE FERTILIZER

Is the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil, and is giving satisfactory results wherever used. Our Compost, composed of manures rotted together from six to eight years, we ship in car lots at 60 cts. per ton f. o. b. Chicago. We sell all kinds of Manures in car lots.

**FARMERS AND FLORISTS
FERTILIZER CO.**

809 Exchange Ave., Room 5. Tel. Drover 1932

U. S. YARDS, CHICAGO, ILL.

AGRICULTURAL EXPERIMENT STATIONS

are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

"40% NICOTINE"

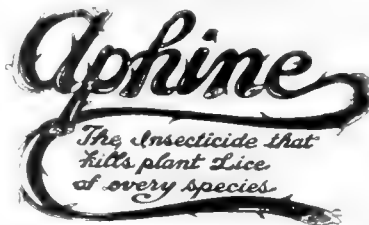
\$13.00 Gallon—\$3.75 Quart—\$2.00 Pint

Compare these prices with what you now pay.

NIKOTIANA

A 12% Nicotine solution properly diluted for vaporizing and fumigating.

\$1.50 Gallon—\$1.50 Quart.



The Recognized Standard Insecticide
For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

\$2.50 Gallon—\$1.00 Quart.

FUNCINE

For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

\$2.00 Gallon—75c. Quart.

VERMINE

For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

\$3.00 Gallon—\$1.00 Quart.

SCALINE

For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

\$1.50 Gallon—75c. Quart.

If you cannot obtain our products from your local dealer, send us your order with remittance and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals
MADISON, N. J.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus.

Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY MASS.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.

ents also affect the distribution of species.

The chemical and biological properties of the soil constitute more important factors in plant growth than mechanical properties; but this phase of the subject is so extremely complex, notwithstanding the immense amount of research given to it, that the subject is very far from being exhausted.

All greenhouse soils contain more or less large quantities of plant food, and in all soils various subsidiary constituents and admixtures which plants can use, are found. It is possible, therefore, to grow good crops in most soils for years without the use of fertilizers or manures providing they have constant tillage.

The micro-organisms of the soil also play a most important role. In general, the richer the soil, the larger the number of micro-organisms found. Tillage stimulates bacterial activity, and the various modifications which these innumerable small soil organisms bring about in the soil are very complex and understood only in a general way. It is known that they decompose various substances in the soil; that some of them accomplish nitrogen fixation, some de-nitrification and others are nitrifying organisms. Besides the presence of a large bacterial flora in soils—the number of bacteria sometimes exceeding millions to the cubic centimeter—numerous forms of fungi may be found, besides algae and various types of active animal life. In a medium containing such a vast number of different types of organisms much antagonism and a severe struggle for existence necessarily exist. It is also known that many chemical substances such as formalin, carbon bisulfid, etc., affect the organisms in the soil and also act as a general stimulus to plants. Volatile chemical substances have a direct stimulative effect on the crops and in some cases probably improve soil conditions by destroying antagonistic species. In the same way soil sterilization produces exceptionally fine crops. Soils, however, differ so greatly in different localities that while some are greatly benefited by steaming, others are affected unfavorably by this process. It is known that the process of steaming soils to 212° F. greatly modifies their chemical composition, and in some cases produces toxic substances which act injuriously

to the crop. Russell and Darbishire found that crops obtain three times as much nitrogen and twice as much phosphoric acid and potash from steamed as from unsteamed soil. Steaming has a similar effect to aeration from the fact that an exchange of gases takes place.

(To be continued)

WHAT CONVENTIONS DO.

In a little talk before the Lancaster (Pa.) Florists' Club, A. M. Herr said some nice things about the Boston Convention and the Boston florists. He expressed especial appreciation of the glad hand that was extended to the visitors as they stepped from the gang plank of the steamer and thus corroborated the many testimonials to the efficiency of the committees entrusted with this work. In the Convention Garden he was particularly impressed with the two new geraniums My Maryland and Scarlet Bedder and the exhibition by the Massachusetts Horticultural Society in Horticultural Hall was a revelation. In chiding his fellow members for having neglected the opportunity to see these evidences of advanced horticulture he said that in taking advantage of these things "you get your subconscious mind filled with ideas that come out during the year into your working brain, and you get that accumulation of bile off your liver that has gathered there the preceding year through disappointments and too close application to work."

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Ellwood City, Pa.—Shelby Company, one house

Catonsville, Md.—T. Walter Gray, two houses.

Toledo, O.—W. Rinker, range of vegetable houses.

Detroit, Mich.—Charles Keller, three houses each 30x190.

Mt. Clemens, Mich.—Aug. Von Boeslager Foley range.

Moundsville, W. Va.—Mr. Snedeker, 12th street, additions.

Philadelphia, Pa. Archbishop Pendergast, house 12x31.

Negaunee, Mich.—Frank G. Ashleman, Merry street, one house.

Montgomery, Ala.—Rosemont Gardens, two houses, each 35x400.

Somerton, N. J.—George MacKenzie, conservatory. Henry L. Reingold, Jr.,

**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$5.00	500 4 in. @ \$4.50
1500 2 " " @ 4.88	450 4 1/4 " " @ 5.24
1500 2 1/4 " " @ 5.25	320 5 " " @ 4.81
1500 2 1/2 " " @ 6.00	210 5 1/2 " " @ 3.78
1000 3 " " @ 5.00	144 6 " " @ 3.16
800 3 1/4 " " @ 5.80	120 7 " " @ 4.20
	60 8 " " @ 3.00

HILFINGER BROS. 'Pottery, Fort Edward, N. Y.

August Rolker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade Export



The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

**—STANDARD FLOWER—
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

• 28th & M Sts. Washington, D. C.

**DREER'S**

Florist Specialties,
New Brand. New Style.

Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.

Reel of 500 ft., " 14 1/2 c.

2 Reels, 1000 ft., " 14 c.

1/2-inch, " 13 c.

Reels, 500 ft., " 12 1/2 c.

Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

architect. Ready for bids in about two weeks.

Hudson Heights, N. J.—Wm. Bluethger, Jr., propagating house, 14x59.

Red Hook, N. Y.—Ham & Van Steenburgh, range of violet houses.

Philadelphia, Pa.—Mrs. W. G. Warden, School lane and Wissahickon avenue, alterations.

Grand Rapids, Mich.—Wealthy Street Floral Co., conservatory, 20x63.

NEWS NOTES.

Mansfield, O.—The Mansfield Floral Company has purchased the business of the Berno Floral Company.

Chicago, Ill.—Frank J. Potocka has opened a wholesale cut flower market at 179-183 North Wabash Avenue, and will do business under the name of the Frank Florist Co.

PATENTS GRANTED.

1,110,377. Plant Protector. Arthur B. Cowles, Rochester, N. Y.

More Red Devil Cutters Used Annually Than All Others Combined*"It's all in the wheel"***SMITH & HEMENWAY CO., . . 161 CHAMBERS ST., NEW YORK**

Send 6c. for sample No. 024
and Booklet 40 styles, and
understand why.

**SEND FOR BOOKLET ANY-
HOW.**

GLAZING POINTS

Peerless Improved, 60c 1000
Putty Bulbs, 80c Each

Wm. Elliott & Sons
42 Vesey St., New York

WATER HEATERS FOR Greenhouses

We have for sale at very reasonable prices several second hand water heaters, both round and sectional, especially suitable for greenhouse work.

APPLY TO
FRANK E. WOODWARD & COMPANY
19 Friend St., Boston, Mass.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS. CHICAGO, ILL.

KING

The name that assures "the most for the money" in

GREENHOUSES

Write for Bulletin No. 47 and you will see why.

KING CONSTRUCTION CO.
28 King's Road, N. Tonawanda, N.Y.

ECONOMICAL WATERING

Let me show you some large installations of the

Skinner Irrigation System

in Greenhouses near you. These outfits have been put in, not for FUN, but for

PROFIT

GEO. N. BARRIE
BROOKLINE, - - MASS.
Telephone Connection.

S. JACOBS & SONS

1359-1385 Flushing Ave.
BROOKLYN, - - - N. Y.

FOLEY

Builds Good Greenhouses
TRY HIM.
THE FOLEY GREENHOUSE MFG. CO.
3275 West 31st Street
CHICAGO, ILL.

GLASS

for GREENHOUSE and HOT BED SASHES. Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

MASTICA

FOR 2 Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Dror's Peerless Glazing Points For Greenhouses

Drive into any one of our both points and you will see the glass in the frame. The glass is held in place by the points and will not move. The points are made of the best material and are of the best design. They are of the best quality and are of the best design. They are of the best quality and are of the best design.

FULL
SIZE
No. 2

WANT A LAGER
745 6th Ave. - 1st Ave.

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mention **HORTICULTURE**.

Order Now

BUY DIRECT—
Factory to User Prices

Kroeschell Bros. Co.
466 W. Erie St., CHICAGO

"It means Money to your pocket to let us quote you on Ventilating apparatus and Greenhouse fittings. Send for catalogue today."

ADVANCE CO.
Richmond, - Ind.

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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

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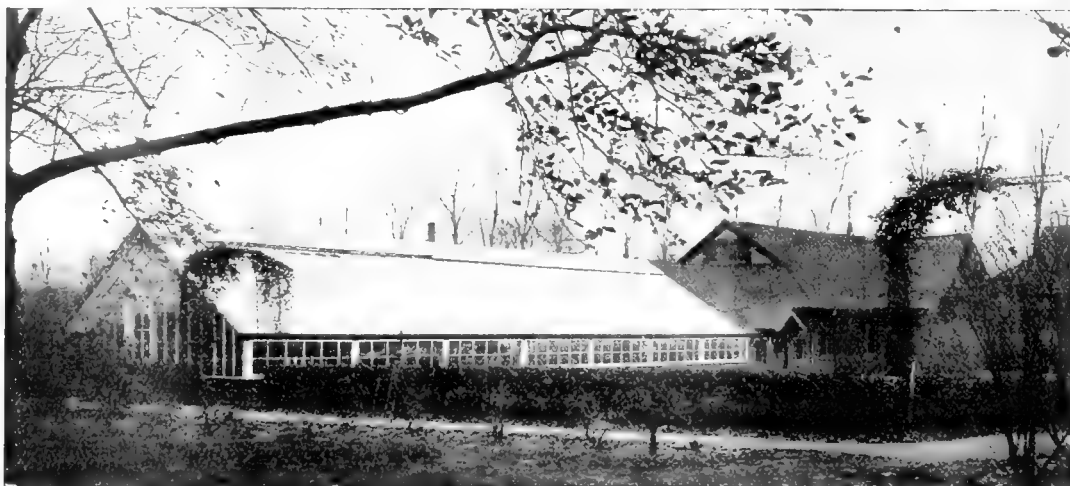
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Evans 20th Century Arm

Will not twist the shafing pipe. 4 times the power of old style arms. Sold only with Evans' Clutching Machine. Write for free catalogue.

QUAKER CITY MACHINE CO.
Richmond, Ind.

THE FLORISTS' HAIL ASSOCIATION OF
AMERICA, insurer of 39,000,000
John G. Esler, Secy Saddle River, N.J.



Garage and Greenhouse Combinations on N. D. B. Bonbright's Grounds at Rochester, N. Y.

Greenhouse and Garage Combinations Their Practical Side

ECONOMY was the first factor that prompted the linking of the two. Economy in construction. Economy in heating. There is always a saving when buildings for differing purposes can be adjoined when constructed. There's a saving in both labor and materials. No garage is complete that is not heated. The greenhouse, of course, must be; so the one heating plant answers the purpose of both, with much less coal consumption than for separate plants. Then there also enters the advantage of grouping your building as compactly as possible; and the planning for their location and treatment, so the least future alteration of your ground layout will be necessary—another economy well worth considering. In addition to the building and equipping of the green-

house, we will also erect the workroom and garage, and fully equip either or both, if you wish.

If you already have a garage and want us to build a workroom and greenhouse to adjoin it, we will be glad to do that for you.

All the materials are so far as possible prepared at our factory, so they will go together on your grounds quickly. This is particularly the case with the greenhouse.

Perhaps quite the most satisfactory way is to give us a blanket contract covering all the work, and then you can hold us responsible for everything. It simplifies matters and generally works out satisfactorily to all.

Before coming to any direct conclusion, however, it would be well to let us go into the details with you thoroughly. "We go anywhere for business." Or to talk business.



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Vol. XX
No. 14
OCT. 3
1914

HORTICULTURE



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LIST OF ADVERTISERS

Page	Page	Page	Page	Page
Advance Co. 495	Conine, F. E. 480	Gude Bros. Co. 493	May & Co. 491	Poechlin Bros. 496
Albany Co. 498	Nursery Co. 480	Gummi, W. L. 489	McCarthy, N. E. 496	Poechlin Bros. 496
Allen, J. K. 498	Cowee, W. J. 496	Haendler, M. P. 487	McConnell, Alex. 492	Poechlin Bros. 496
Anderson, S. A. 493	Craig, Robt. Co. 480	Hall Association 506	McConnell, Alex. 492	Poechlin Bros. 496
Aphine Mfg. Co. 505	Critchell, C. E. 496	Hall & Robinson 493	McConnell, Alex. 492	Poechlin Bros. 496
Aschmann, G. 489	Crowl Fern Co. 499	Hart, Geo. B. 498	Metropolitan Ma- 507	Poechlin Bros. 496
Asmus, Geo. 494	Davis, H. 492	Heacock, Jos. 488	terial Co. 507	Poechlin Bros. 496
Ayres Co. S. 491	Davenport, A. M. 480	Henderson, A. & 480	Meyer, John C. 491	Poechlin Bros. 496
Bryson 491	Dornier, F. & 480	Co. 480	Co. 491	Poechlin Bros. 496
Badgley, Ridel 498	Dysart, R. 480	Hess & Swoboda 492	Meyer, Chas. F. 479	Poechlin Bros. 496
& Meyer 498	Deer, H. A. 495	Hews, A. H. & 492	Michell's Seed 499	Poechlin Bros. 496
Barrie, Geo. N. 507	Dunlop, John H. 493	Co. 492	House 499	Poechlin Bros. 496
Barrows & Son 480	Dysart, R. 480	Hilfinger Bros. 506	Michigan Florist 496	Poechlin Bros. 496
Bayersdorfer, H. 495	Eastern Chemical 505	Hill, E. G. Co. 496	Flower 496	Poechlin Bros. 496
& Co. 495	Edwards Fertilizing 496	Holland Nurser- 481	Millang, Chas. 498	Poechlin Bros. 496
Bay State Nur- 478	Box Co. 496	ies 481	Montreal Floral 498	Poechlin Bros. 496
series 478	Elliott, Wm. & 507	Holm & Olson 492	Exch. 498	Poechlin Bros. 496
Bobbink & At- 478	Sons 507	Irwin, R. J. 480	Moore, Hentz & 498	Poechlin Bros. 496
kins 478	Ernest, W. H. 506	Kasting, W. F. 496	Nash 498	Poechlin Bros. 496
Boddington, A. 489	Ester, J. G. 506	Keller, J. B. 492	Murray, Samuel 492	Poechlin Bros. 496
T. 489	Eyles, R. 493	Sons 492	National Nursery 498	Poechlin Bros. 496
Boligiano & Son, 491	Farmers and 493	Keller, J. M. Co. 480	man 498	Poechlin Bros. 496
J. 491	Florists Fertil- 493	Kentucky Tobac- 505	Nicotine Mfg. Co. 505	Poechlin Bros. 496
Boston Florist 496	izer Co. 505	co Product Co. 505	Niessen, Leo Co. 496	Poechlin Bros. 496
Letter Co. 496	Larguer, R. & 488	Kervan Co. 498	Oechslein, Ernest 480	Poechlin Bros. 496
Braslan Seed 491	J. & Co. 488	King Construc- 506	Old Town Nur- 487	Poechlin Bros. 496
Growers Co. 491	Fisher, Peter 480	tion Co. 506	series 487	Poechlin Bros. 496
Brock, J. & Sons 491	Foley Mfg. Co. 507	Komada Bros. 495	Ouwkerk, P. 489	Poechlin Bros. 496
Breitmeyer's, J. 492	Ford, M. C. 498	Kramer, F. H. 493	Palmer, W. J. & 491	Poechlin Bros. 496
Sons 492	Ford, W. P. 498	Kroeschell Bros. 507	Sch. 491	Poechlin Bros. 496
Bryan, Alonzo J. 480	Framm, J. 491	Kuebler, W. H. 498	Shis & Groot 491	Poechlin Bros. 496
Burpee, W. A. & 491	Froment, H. E. 498	Lager & Hurrell 489	H. A. 491	Poechlin Bros. 496
Co. 491	Frost, Chas. 491	Lemon Oil Co. 505	Sons 493	Poechlin Bros. 496
California Seed 491	Galvin, Thos. F. 493	Leonard Seed Co. 491	Smith, P. J. 498	Poechlin Bros. 496
Growers' Asso. 491	Gasser Co., J. M. 493	Lochner & Co. 479	Smith & Co. E. 498	Poechlin Bros. 496
Carter's Tested 491	Graham, Adam 492	Lord & Burnham 508	Smith & Hemm- 501	Poechlin Bros. 496
Seeds, Inc. 491	& Son 492	Co. 508	Smith, W. & T. 478	Poechlin Bros. 496
Childs, John 491		Low, Stuart & 487	Nursery Co. 478	Poechlin Bros. 496
Lewis 491		Co. 487	Smyth, Wm. J. 492	Poechlin Bros. 496
Clarke's, D. 492				Poechlin Bros. 496
Sons 492				Poechlin Bros. 496

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 500, 501, 502, 503

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Adiantums

Now that the roots have become active through the bench adiantums should have a top dressing of good loam and well decayed cow manure equal parts. Give about half an inch at a time, and repeat about every six weeks. They will be better to have some artificial heat right along now. While these ferns like plenty of water at the roots the beds should not be in a saturated condition all the time. Make it a point to guard against extremes either way. They like a temperature of from 55 to 60 degrees at night.

Cyclamen for the Holidays

Around Thanksgiving and Christmas there is always a good demand for nicely flowered cyclamen. It is sometimes hard to have them heavily flowered at Thanksgiving, but where they have ten or twelve blooms open and backed up with good foliage they will find a buyer. Plants intended for early flowering should now be removed from the frame to a light and airy house. Do not keep them any higher than from 50 to 53 degrees at night, otherwise they will only draw and spindle up. After the middle of October they will not require any shading, excepting perhaps during a spell of exceptionally warm weather, in which case a little cheese cloth can be hung over them. On all good days give free ventilation, and when the pots are full of roots give them weak manure water once a week.

Care of Poinsettias

Do the watering early in the day so the house does not contain an excess of moisture at sunset. Avoid a stuffy atmosphere over night and keep the house just a little over 56 degrees. While the poinsettia is a greenhouse plant, it would be wrong to turn on too much heat at present. More poinsettias are spoiled during the months of October than before or after, by either overdoing the firing or waiting before firing until the stock suffers. One is as bad as the other. Attend to the staking and keep the stems straight for any other are worthless. Plants that have been grown in pots or pans long enough to be pot-bound or partly so appreciate an occasional dose of liquid cow manure and seem to prefer this to any other food I know of, so let them have it.

Mr. Farrell's next notes will be on the following: *Ardisia Crenulata*; *Orchids*; *Propagating*; *Preparing Fields for Next Year*; *Propagation*; *Potting Evergreens for Winter*.

Carnations

There will be many nights in the next few weeks when you will have to run steam around and keep the ventilators up a little. An experienced man will know how far to go with this. It would be wasteful to keep the steam around all night and keep the ventilators up six inches. Open them about an inch or two and then run the steam around often enough to keep the temperature right. On a damp night this will be better than to allow the temperature to drop very low. Supports should now be in place, the beds all mulched and everything in trim condition. When there is lots of sunlight they will want plenty of water and plenty of fresh air, but when the sun hides its face the plants grow slower, evaporation is slower and less water is needed. Fresh air is always beneficial, as it helps to keep the growth from becoming soft.

Shrubs For Forcing

Now is a good time to lift and pot all such shrubs as deutzia, spiraea, Japan quince, snowball, flowering almond, forsythia, lilacs, etc. Use just as small pots as will conveniently hold the roots, and be sure to use sufficient crocks in the pots so as to make good drainage. Potted now they will have sufficient time to make new roots before hard weather. Give them shade for about a week, after which they can stand in full sun. The only care they will need is some water and a syringing now and again. They can stand outside until there is danger of the pots breaking when they should be placed in some deep frame or pit, with some protection until wanted for forcing.

Fancy Leaved Caladiums

Withhold water from day to day from the caladiums, a little at a time until they have shed all their leaves. Do not place them in a cool house. They should have a temperature of not less than 60 degrees. When they have thoroughly ripened they can be placed in sand and put away in a dry place in the same temperature mentioned above. See that they are all newly labeled before storing away.

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by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLICITY
THAT PAYS.

HORTICULTURE

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OCTOBER 3, 1914

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CONTENTS

Page

COVER ILLUSTRATION—An Excellent Layout of Residence, Greenhouse and Garden	
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Adiantums—Cyclamen for the Holidays—Care of Poinsettias—Carnations—Shrubs for Forcing—Fancy Leaved Caladiums— <i>John J. M. Farrell</i>	481
HARDY GARDEN PINKS— <i>Richard Rothe</i> —Illustrated	483
ARNOLD ARBORETUM—Bulletin No. 62.....	484
HOLLYHOCKS— <i>Edwin Lonsdale</i>	485
THE NEW COMMERCIAL ROSES— <i>George C. Watson</i>	485
CLUBS AND SOCIETIES—Horticultural Society of New York—California Association of Nurserymen—Connecticut Horticultural Society.....	486
New Bedford Horticultural Society—Gardeners' and Florists' Club of Boston—Chrysanthemum Society of America	487
American Dahlia Society—St. Louis Club and Association Meetings—Club and Society Notes.....	488
Chrysanthemum Show at Chicago	485
Boston Fruit and Vegetable Exhibition	490
SEED TRADE—New Onion Industry in Bahamas...	490
THE TRUE SITUATION IN HOLLAND— <i>Jacs Smits</i> ..	490
OF INTEREST TO RETAIL FLORISTS:	
New Flower Stores	492
Flowers by Telegraph	493
THE MISSION OF BEAUTY— <i>C. S. Harrison</i>	495
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, Knoxville, New York	497
Philadelphia, St. Louis, Washington	499
ADAPTATION OF PLANTS TO SOIL— <i>Dr. George E. Stone</i>	504
OBITUARY—George Raichert— <i>Marshall F. Ewell</i> — <i>John Burr</i> — <i>Wilfred A. Brotherton</i>	506
MISCELLANEOUS:	
A Berkshire Hills Garden—Illustrated.....	485
Greenhouse Grapes	485
Illinois State Fair	485
Cover Illustration	485
Catalogues Received	490
News Notes	492-493
Philadelphia Notes	494
Washington Notes—Chicago Notes	494
Tennessee Getting Busy	494
Visitors' Register—Personal	499
Publication Received	504
Patents Granted	504
Greenhouses Building or Contemplated	506
New Corporations	506

which these species are susceptible. To the excluded pines are now likely to be added the Scotch *P. sylvestris*, the Austrian *P. austriaca*, the Swiss Stone, *P. Cembra*, and the Swiss *P. Mughus* because of a newly discovered insect which attacks them. The larva is translucent brown with black head and thorax. This grub, *Evetria busliana* is found eating the buds in late summer and causing distorted growth. We have not yet heard of any proven remedy but it looks as if the raising of young stock of all the aforementioned species might become a quite remunerative industry in this country under the impetus of the foreign exclusion. Most of them are easily raised and the white pine especially is a very rapid grower, while there is absolutely no possibility of its being overdone. The Austrian, Scotch and *Mughus* are splendid for bleak seaside planting.

The secretary of the Horticultural Society of New York, in his description of the more interesting features of the recent exhibition of dahlias in New York City, refers approvingly to the innovation by one exhibitor who was not content to display the blooms in the customary formal manner but sought to make an artistic arrangement, blending the flowers and autumn foliage in effective harmonious groupings. This is in line with what HORTICULTURE has been preaching year after year and indicates clearly the lines which in our opinion must be followed in the further advancement and popularizing of all flower exhibitions. We fully agree with our correspondent that "it is surprising that the dahlia is not more frequently thus displayed." Not only the dahlia but the chrysanthemum, the carnation, the sweet pea, the rose and, in fact, the whole list of exhibition favorites might be enumerated as suffering for lack of just such attention. A very similar note will be found in the account of the New Bedford exhibition in this paper. The subject here brought forward is a vital one and the suggestions made by these writers are emphatically worthy of careful reading and thoughtful consideration by all who desire to see floriculture flourish through the dissemination of a better knowledge of the use of flowers and their arrangement.

If a man's trade has fallen off from normal volume or compares unfavorably in any way with that of the corresponding period last year he is not necessarily a pessimist if he should so declare. Should he, however, allow this fact to dishearten him and influence him to the conclusion that because of this the future is so dubious that he must relax his business activities and cut down his advertising "expenses," then he becomes a pessimist with suicidal tendencies. To recover lost ground in a time of diminished business there is no means so effectual as courageous, well-directed advertising. Whatever may be the cost of this it is an investment rather than an expense and, although the curtailment of expense accounts is a most excellent

It is generally known that the government has forbidden the importation of Pines as a home product into this country of the white pine *P. strobus* and the Japanese *P. parviflora* on account of the disease known as white blister to

Hardy Garden Pinks

The American florist holds the record of world's leadership in originating and growing the most perfect type of *Dianthus*, the greenhouse carnation of today. Of late, we notice an ever-increasing popularity of hardy garden pinks, particularly of the old-time *Dianthus plumarius* varieties, and they again begin to fill our garden atmosphere with that sweet fragrance our ancestors used to love. Aside from the single and double seedling plants in endless shades and tints conditions are turning our interest in the direction of distinct varieties. As such I mention Her Majesty, Diamond and Snow in pure white; Elsie in bright rose with maroon center; Juliette, white, laced crimson; Homer, rosy red with dark center, and William Hooper fringed white with purple lacings. Of comparatively low bushy growth their free flowering habit and diversity in colors gives us a chance to employ them on borders, particularly in cases where variety is desired.

The choicest material in this class producing perfect flowers in clear solid shades has been sent over to us from Germany. I wish to call special attention to the novelties: Bavaria, distinguished by a compact bushy growth and its abundance of delicate rosy-lilac flowers; Gloriosa in wonderful lilac mauve and Delicata producing large blossoms of a very attractive pale silvery mauve of remarkable lustre. For edging the straight border lines of formal gardens they remain unexcelled. Approaching the long even banks of those soft rosy-mauve flowers we find very few bursted calyxes. The bursted calyx, as the experienced of my readers know, is the weak point of some of the older double varieties of *Dianthus plumarius*. Distinct shades of this type of hardy garden pinks cannot be obtained by raising stock from seed. The consequence is we have to propagate by cuttings. With the importance of clear solid shades in first class floral garden effects in mind, the craftsman familiar with the practical part of growing the stock has the advantage. A perfect line of the new hardy garden pinks Delicata and Gloriosa in full flower is not only an object of rare beauty, but will be booked on the credit page of the grower or originator by his customer or employer.

In conclusion I wish to say a few words in favor of the diminutive class of mountain pinks. A low creeping, sometimes dense cushion-like growth, during May



Dianthus deltooides
Dianthus deltooides

and June bedecked with legions of charming little blossoms, sweetly fragrant, are the characteristics they have in common. As a rule designers of rock gardens treasure them highly. One of the prettiest in this class is *Dianthus deltooides*, depicted in the accompanying illustration. The blossoms of the original *deltooides* are carmine rose; the variety *deltooides albus* appears in pure white. *Dianthus caesius*, a species with glaucous foliage and a great abundance of very attractive pink blossoms, and *Dianthus alpinus*, in two distinct colors, red and white, draw attention at a glance. *Dianthus neglectus*, a compact growing species from the mountain regions of Central Europe, adorned with carmine red flowers and *Dianthus fragrans*, a very free pink bloomer hailing from the high altitudes of the Caucasus, complete the list of the best known rock garden pinks in cultivation.

The rock garden in its advanced state offers the widest scope for the enjoyment of the greatest variety in hardy perennials. True, it is with us in America still in its infancy, but we may rest assured that sooner or later we will be put to test, both as builders and as caretakers. As horticulturists we should be the first to welcome the revival of popular interest in hardy garden pinks. The renewal of our acquaintance with the both charming and interesting Alpine class means to prepare ourselves for near exigencies.

Richard Rötter

Gilenside, Pa.

medicine to administer when business begins to wane, to cut off advertising at such a time would simply tend to aggravate the trouble. We have talked with many representative men in various branches of the trade and find a wide divergence of opinion as regards the outlook for business this season and the causes for its falling off where such is the case. We are glad to find an almost uniform conviction that the trouble abroad will eventually serve to help and not to injure our business here. It is up to ourselves, largely, how soon this improvement shall come. It is right at our doors and we can accel-

erate it greatly by going out after it. The tendency generally for some time past has been to allow stocks to become depleted so it is reasonable to expect some good buying in the near future. Those dealers who keep their offers persistently before the trade will get the lion's share of this when it arrives.

"Here's to advertising, youngest of the arts;
Born of noble parents, in the world's great marts;
Lubricating business, champion of success;
There's no substitution, for our craft—we guess."

From "Poor Richard at Fordhook."

ARNOLD ARBORETUM BULLETIN No. 62.

The flowers of woody plants are not common in this climate at the end of September, but visitors to the Arboretum will still find a few interesting plants in bloom. The most conspicuous, perhaps, is the Manchurian and north China *Aralia chinensis*. It is a near relative of the so-called Hercules' Club (*Aralia spinosa*) of our southern woods and, like the American plant, it has stems covered with prickles, large, compound, dark green leaves, and immense clusters of small white flowers which are followed by small shining black fruits. The American plant is not quite as hardy as its Asiatic relative, but it is now well established here. The plants are just past flowering.

The Japanese *Hydrangea paniculata* and its monstrous form, on which all the flowers are sterile (var. *grandiflora*) are in bloom. The latter is one of the most generally planted shrubs in the United States, although it is a much less interesting and less beautiful plant than the still comparatively little known normal form. In the Shrub Collection, too, the handsome *Elsholtzia stauntonii* is in full flower and now at its best. This member of the Mint Family, and a native of northeastern Asia, has long erect spikes of rosy pink flowers and light green foliage. One of the comparatively recent introductions of the Arboretum, it is only beginning to appear in American and European gardens. Near it *Viter incisa* from northern China is in flower. Although this plant is a native of a cold region the stems are often killed back to the ground here in severe winters, but as new stems grow several feet tall during the season, and as the flowers are produced on the new growth, this killing back improves rather than injures the flowering of this shrub which at this time of the year is attractive with its finely divided leaves and slender erect clusters of small rose-colored flowers. The flowers of the true Heathers (*Calluna*) have already passed but flowers may still be seen on the Cornish Heath, *Erica vagans*, and the Trumpet Creepers from the central and southern states are still producing flowers.

Small plants of *Gordonia altamaha* are now in bloom and during several weeks will continue to open their white cup-shaped flowers which resemble those of a single-flowered Camellia. This tree is a native of southern Georgia where it was discovered late in the eighteenth century. Although often hunted for, it has not been seen growing wild for more than a hundred years, and has only been preserved by the cultivated descendants of the plants introduced by its early discoverers. This *Gordonia* flourishes in the neighborhood of Philadelphia but it is not very hardy in the Arboretum, and it is surprising that it was uninjured by the severity of last winter which destroyed so many hardier plants. *Indigofera amblyantha* which has been in flower for nearly three months, still continues to produce its slender erect spikes of rose-colored flowers. This is one of Wilson's discoveries in western China and

one of the most beautiful of the small hardy shrubs of recent introduction.

The name *Ulmus campestris* has been selected by recent writers on European trees for the Elm of the hedge rows of southern England, which was largely planted a century ago in eastern Massachusetts chiefly, no doubt, through the agency of a Major Paddock who established a nursery of this tree in Milton. The large English Elms which once flourished on Boston Common were of this species, and large specimens can still be seen in several of the Boston suburbs. The origin of this Elm is unknown. It does not produce seeds propagating itself by suckers, and is known to grow spontaneously only in some of the countries in southern England, and in a few parks near Madrid, in which it is now known to have been introduced from England many years ago. It is a noble tree, able to adapt itself to various climatic conditions, and well suited to those of New England; indeed no other exotic tree, with the exception of the European White Willow, has been here so long or grown to such a large size. Another English Elm, *Ulmus vegeta*, usually called the Huntington Elm, a supposed natural hybrid between two European species, *Ulmus nitens* and *U. glabra*, the so-called Scotch Elm, grows to a larger size than *Ulmus campestris* and is perhaps the fastest growing of all Elm trees. An Elm of this kind in the deer park of Magdalen College at Oxford, supposed to have been planted at the time of the Restoration, was blown down in April, 1911; it was one hundred and forty-two feet high, with a trunk circumference at four feet from the ground of twenty-seven feet. This was believed to be the largest tree in Great Britain and perhaps in Europe. *Ulmus vegeta* is a tree with paler bark than that of *Ulmus campestris*, large main branches spreading at narrow angles, giving the tree a vase-shaped form, rather pendulous branchlets and larger leaves than those of *Ulmus campestris*, and usually only slightly roughened on the upper surface. This tree is not rare in English parks and has been largely planted in Cambridge-shire where in the neighborhood of Cambridge there are many fine specimens. Brooklands Avenue in that city planted with this tree in 1830, shows its value for such planting, for in all England there is perhaps not a better example of an avenue of planted trees. The Huntington Elm was certainly introduced into New England much later than *Ulmus campestris*, and probably the oldest trees here are not more than sixty or seventy years old. This Elm is perfectly hardy here, it grows with surprising rapidity, and if exotic Elms are to be planted in the United States it may well be more generally used here than it has been.

Persons interested in the plants best suited for the parks and gardens of eastern North America can find much to learn in the Arboretum from this time until the end of the year, for it is the autumn that conifers are seen to the best advantage and that the mature leaves of the few broad-leaved evergreens which flourish in this climate best show the beauty and value

of these plants for the late autumn and winter garden. Perhaps nowhere else are so many different plants with brilliant autumn foliage and handsome and abundant autumn fruits assembled; and in no other garden can such plants be so easily and conveniently studied. Such plants give a character and beauty to the autumn garden which can be found only in eastern North America, and perhaps in Japan where the leaves of many of the native trees and shrubs assume brilliant colors before they fall.

The autumn color of a few plants is already brilliant. The earliest of the American trees to change the color of its leaves is the Red or Scarlet Maple, *Acer rubrum*. On specimens of this tree growing in swamps the leaves are now often bright scarlet, while on trees growing on higher and drier ground the leaves are still bright green or only slightly tinged with red. The so-called Water Willow, *Decodon verticillatus*, often known as Nesaea, is a native of all the region from Maine to Florida and Louisiana, and is a shrub with arching stems growing only in the wet, often submerged borders of streams and ponds where it often spreads into broad thickets. By the borders of the ponds in the Arboretum the leaves of this plant are already bright scarlet, and for a few weeks the plants will be conspicuous among the green sedges and swamp grasses with which they are associated.

The leaves of some of the forms of the so-called Virginia Creeper of eastern North America are already bright scarlet. The earliest to adopt its autumn dress and now in brilliant color is *Parthenocissus vitacea*. This plant rarely has adhesive discs at the ends of the tendrils, and therefore cannot attach itself to the trunks of trees or to brick and stone walls, like *Parthenocissus quinquefolia* which is often sold in nurseries as *Ampelopsis Englemanni*.

A few of the fruits which ripen in early autumn are already conspicuous. There is perhaps no shrub more beautiful in the autumn than one of the American Cornels, *Cornus rugosa*, or as it is sometimes called, *C. circinata*. It is a tall, broad, round-headed shrub with greenish branches and round, oval, dark green leaves; the flowers are not more showy than those of the other Cornels, but the clusters of light blue fruits on red stalks make them objects of much interest and beauty. The red Osier Cornel, *Cornus racemosa*, often called *C. stolonifera* or *C. candidissima* is also beautiful at this season, for the leaves are beginning to turn dark red and the plants are covered with abundant clusters of white fruits on bright red stalks. This plant has been largely used in the Arboretum; it spreads rapidly into large, dense clusters, and with its good foliage, abundant flowers and beautiful fruits, few shrubs are more desirable for park and roadside plantations.

The fruit of some of the new Chinese Cotoneasters is handsome and the autumn coloring of their foliage is often splendid. Most of these plants are perfectly hardy, and among them are certainly some of the most valuable garden shrubs of recent introduction.

HOLLYHOCKS.

To the Editor of HORTICULTURE:

I was very much interested in what Reverend C. S. Harrison had to say in a recent issue of HORTICULTURE about that useful biennial which heads these notes. Mr. Harrison did not say what was the percentage of those varieties of Hollyhocks which he has been raising from seed, which did not come true. This would have been interesting.

The reason I am writing at this time on this subject, is because my experience has been quite different; indeed, quite the opposite to Mr. Harrison's. For instance, we have quite a dozen varieties which came practically true to color and type, and this goes to show that W. Atlee Burpee & Co., have trained their Hollyhocks in the way they should go. It all depends, of course, where these stocks come from.

For my own gratification, I am this year securing seed from an entirely different source, for the purpose of comparing them with the stock that W. Atlee Burpee & Co. are growing out on their "Floradale" Seed Farm in California.

A good many years ago—yes, in the early seventies, the writer had some experience with growing Hollyhocks in the nurseries of the late and highly respected Thomas Meehan of Germantown, Philadelphia. At that time seed of a special variety was sown, which by the way was a beautiful shade of pink, and this as long ago as the time indicated, came absolutely true to color and manner of growth, and coming as it did, was an actual surprise because it was not expected. This matter was brought up in a small organization which was in existence in those days—I forget now the title, but it was something like this,—The Gardeners' and Florists' Improvement Society—and we had no hall rent to pay as we had the privilege of meeting at the home of Joseph Meehan, and John Burton was also a member of this organization, and W. E. Meehan, the elder son of the late Professor Meehan, who although at that time was engaged in the nursery work, is not now connected with horticulture in any way at all, but has charge of the Fish Commission in the City of Philadelphia.

Among the varieties which came absolutely true from seed with us at "Floradale" are rose pink, two shades of yellow, a white with blush on the outer edges of the petals, two shades of crimson, and some others which at this time I cannot call to mind.

Hollyhocks here, while we classify them as biennials, frequently are perennials, and we feel encouraged with the progress we are making, and hope for better things in the future.

EDWIN LONSDALE.

Lompoc, Cal.

GREENHOUSE GRAPES.

The growing of tender grapes under glass is on the increase in this country. We had the privilege of seeing the stock of vines advertised by R. & J. Farquhar & Co. in this paper and they are about the finest two and three-year-old pot grown stock that can be imagined. They are thick-stemmed, well-ripened up, and with plenty of fruiting eyes. The disturbances abroad should help the sale of home-grown fruit of this sort.

A BERKSHIRE HILLS GARDEN.



Landscape, Looking Out from Formal Garden at Westleigh, Lenox, Mass.
George H. Thompson, Jr., Designer.

THE NEWER COMMERCIAL ROSES.

Among the newer roses (commercial) of last year's and recent introduction, an especially good word must be said for Hadley. Everywhere we hear the same report—a wonderful grower—and in the market has the call among the crimson. One of its strongest points is its fragrance. Richmond cannot compare with it. Hadley and Russell are both good all the time, all of which counts on the square-foot return—which is the final test of any rose. What Francis Scott Key will do, among those reds, has yet to be determined. So far, this season, it is showing up pretty good. One of our prominent retailers—who knows nothing about new roses (please excuse)—until they are shoved under his nose commercially—said the other day: "Let me tell you, George, you are only a seedsman and don't know; but that Russell rose we get up at Pennock-Meehan's is the greatest thing yet in roses. Fragrant, and beautiful, and a great seller. Only we've got to get there early in the morning. By afternoon they are all gone."

At which outburst we said nothing; but had quiet, inward satisfaction—as we have been prophesying and preaching that very thing ever since we saw her (Russell) at Montgomery's five years ago. "Killarney Brilliant," seems to have borne out expectations pretty well—judging from the first cuts, which are just commencing to arrive, but we will know better four or five weeks from now.

GEORGE C. WATSON.

ILLINOIS STATE FAIR.

The State Fair at Springfield, Ill., was a success as usual this year. The plant awards were largely won by the local growers and several fine specimen plants which have done duty for several years were again successful in their classes. Pochlmann Bros. exhibited both plants and cut flowers, winning first on a collection of large cyclamen plants. In roses they won first prize in a majority of the classes. Their Mrs. Russell won out in the best fifty roses of last

year's introduction. Twenty-five each of six varieties were won by Milady, Ward, Hadley, Shawyer, Bulgarie and Sunburst. In carnations Ward won 1st in the dark pink class, White Perfection in white, Enchantress in flesh pink, Champion in red and Philadelphia 2nd in light pink.

COVER ILLUSTRATION.

Our front cover this week depicts a well-planned estate at Bryn Maur, Pa. The picture was taken under very trying conditions on a windy day from the top of a water tower where there was scarce clinging space for one of our long tailed ancestors, let alone a camera enthusiast. The artist took such a long chance in securing it, because it was such a strikingly fine example of the landscape architect's, Mr. H. W. Sonners, skill in making a compact grouped composition, as interesting as it is charming. It admirably reflects the increasing desire among owners to have their greenhouses intimately associated with their residence.

Another thing noticeable about this layout is the garden's snugness and irregularity. Neither property line or command of funds in any way limited its treatment—but the artistic conception of the architect did. The greenhouses and attached buildings were constructed by Hitchings & Co., Elizabeth, N. J.

CHRYSANTHEMUM SHOW AT CHICAGO.

The executive committee of the Horticultural Society of Chicago met on Tuesday, September 29, and arranged for a seasonal display of chrysanthemums to be held at the art institute November ninth and tenth, offering silver and bronze medals for the best displays of plants, cut blooms, floral arrangements and novelties. Premium lists will be ready shortly and may be had on application to L. M. McCauley, 418 Saint James Place, Chicago. Plants and cut blooms intended for this display should be addressed to C. W. Johnson, Art Institute, Chicago, all other clippings to the same address.

CLUBS AND SOCIETIES

HORTICULTURAL SOCIETY OF NEW YORK.

A very successful dahlia exhibition was held, in cooperation with the New York Botanical Garden, in the Museum building of that institution, on Saturday and Sunday, Sept. 26th and 27th. It was the first dahlia show given by the society. There was a fine display of this popular flower in all its diverse forms and colors. The most striking feature of the exhibition was the display of blooms arranged by Mrs. Chapman, of Westerly, R. I. Two tables, fourteen feet long, were artistically decorated by her. One of these tables was especially pleasing, all the tints associated with the foliage and flowers of autumn being so blended and arranged as to produce a most harmonious effect. It was the admiration of all. The dahlia is so much more striking thus arranged than in the formal manner customary in exhibitions, that it is surprising it is not more frequently thus displayed.

A meeting of the society was held on Saturday at 2.30, President T. A. Havemeyer presiding. Dr. Britton, director-in-chief of the New York Botanical Garden, gave a short talk on the origin of the name Dahlia, including a brief account of the distribution of the genus. Dr. H. H. Rusby followed with a short address on the home and environment of the dahlia, illustrated with lantern slides. At the conclusion of this a discussion of the present day methods of culture was led by Mr. P. W. Popp, in which many took part.

Following is a list of the awards:

Largest and best collection, flowers on short stems: Geo. L. Stillman, 1st; N. Harold Cottam & Son, 2d.
Vase of 12 blooms, cactus: Head's Bergenfield Nurseries, 1st; P. W. Popp, 2d; N. A. Miller, 3d.
Vase of 12 blooms, decorative: W. A. Manda, 1st; N. A. Miller, 2d; N. Harold Cottam & Son, 3d.
Vase of 12 blooms, show or fancy: N. Harold Cottam & Son, 1st.
Vase of 12 blooms, pompoms: Wm. Shillaber, 1st; N. Harold Cottam & Son, 2d.
Vase of 12 blooms, single or collarette: Geo. L. Stillman, 1st; Head's Bergenfield Nurseries, 2d; N. A. Miller, 3d.
Vase arranged for effect: P. W. Popp, 1st; Dr. M. A. Howe, 2d.

All of the above in open-to-all classes.

The following prizes were awarded in the non-commercial classes:

Collection of not over 50 blooms: P. W. Popp, 1st; Wm. P. Clyde, 2d.
Vase of 8 blooms, cactus: P. W. Popp, 1st; Geo. D. Barton, 2d; Wm. P. Clyde, 3d.
Vase of 8 blooms, peony flowered: P. W. Popp, 1st; Wm. P. Clyde, 3d.
Vase of 8 blooms, decorative: P. W. Popp, 1st; Geo. D. Barton, 2d.
Vase of 8 blooms, pompoms: Wm. Shillaber, 1st; Geo. D. Barton, 3d.
Vase of 8 blooms, single or collarette: P. W. Popp, 1st; Geo. D. Barton, 3d.

The following special prizes were awarded:

Wm. Shillaber, for a collection of annuals, bronze medal; Mrs. F. A. Constable, vase of *Conoclinium coelestinum*; W. Atlee Burpee, certificate each for the new dahlias "Mrs. Hugh Dickson" and "Mrs. W. E. Whineray," and special mention for "Mrs. Geo. W. Kerr;" Lager & Hurrell, for a collection of cut orchids; O. P. Chapman, Jr., for artistic display, silver medal

and a cash prize; Geo. L. Stillman, certificate each for the new dahlias "Geo. L. Stillman" and "Searchlight," and special mention for "Fire Girl;" P. W. Popp, for display of collarettes; W. A. Manda, Inc., certificate each for new dahlias "Josef Manda" and "Bohemia Garnet," and special mention for "Veronica Manda."

GEORGE V. NASH, Sec'y.

CALIFORNIA ASSOCIATION OF NURSEYMEN.

The fourth annual convention of the California Association of Nurserymen will be held in San Diego, on October 15, 16 and 17. Among the more salient addresses may be mentioned: "Treating Refractory Soils with Dynamite," by John G. Morley, of San Diego; "Some Phases of the Transportation Problem," by J. D. Meriwether, of Los Angeles; "Shall the State Destroy an Industry It Has Created," by John T. Sweet, of Martinez; "Present Quarantine Inspection: Methods and Suggestions for Improvement," by H. A. Weiland, of San Diego; "The Exposition Beautiful: Its Educational Values," by Frank P. Allen, Jr., of San Diego; "The Home Garden and City Beautiful in 1915," by Ernest Braunton, of Los Angeles; "Why Not Grow Seedling Stocks on This Coast," by E. Benard, of San Diego; several other addresses besides the standing committee reports, etc.

On Friday evening, October 16, the Association will be the guest of the San Diego Floral Association, on which occasion Alfred D. Robinson, editor of The California Garden, will deliver a timely address on "The Amateur Gardener and the Nurseryman," which will be briefly discussed by Miss K. O. Sessions and Theodore Payne, at the conclusion of which there will be a musical programme, dancing and refreshments.

On Saturday, October 17, the Association will be the guests of the Panama-California Exposition officials for a tour of the buildings and grounds of San Diego's "Exposition Beautiful." At noon there will be an informal luncheon at the Mission Cliff Gardens, and in the afternoon an automobile drive to points of interest in and about San Diego.

The railroads have granted a reduced rate of a fare and a third on the receipt-certificate plan, and there will also be reduced rates at the Grant and Brewster hotels.

The convention will appreciate exhibits of new and little known plants (or extra fine specimens), flowers and fruits; of machinery and appliances pertaining to the nursery business; of gardeners' and orchardists' requisites; in fact, anything that will appeal to the convention. All exhibits should be sent by prepaid express to E. BENARD, care Harris Seed Co., No. 1724 F Street, San Diego, Cal., so as to reach him not later than Wednesday, October 14, 1914. The exhibits will be beautifully staged in the assembly hall of the superb U. S. Grant Hotel, headquarters and meeting place of the convention.

CONNECTICUT HORTICULTURAL SOCIETY.

The annual dahlia and vegetable exhibition held at Unity Hall, Hartford, on September 23 and 24 was an exceptionally good one. One of the largest displays was shown by George L. Stillman, of Westerly. Mr. Stillman also exhibited four striking seedlings, namely: Stillman, Osceola, Queen Esther and Miantinomi. John H. Slocombe, of New Haven, had a superb display. C. Louis Alling, also of New Haven, made a fine exhibit. N. Nelson, of Hartford, entered many classes and won a number of first prizes. There were excellent exhibits of perennials by J. F. Huss, Warren S. Mason and W. W. Hunt & Co., each exhibit comprising in the neighborhood of 100 varieties.

The vegetable exhibits were good and unusually well staged. In the Arthur T. Boddington special the judges were nonplussed for some time before they finally arrived at a decision. The judges were G. X. Amrhy and John N. Champion, both of New Haven. Awards in the professional classes were as follows:

Show, 18 blooms, 18 named varieties—N. Nelson, Hartford. Show, 12 blooms, 12 varieties—1st, C. Louis Alling, West Haven, Conn.; 2nd, Alfred E. Doty, New Haven. Cactus, 18 blooms, 18 varieties—1st, C. Louis Alling; 2nd, Alfred E. Doty. Cactus, 12 blooms, 12 varieties—1st, C. Louis Alling; 2nd, N. Nelson. Fancy, 12 blooms, 12 varieties—1st, N. Nelson. Fancy, 6 blooms, 6 varieties—1st, N. Nelson; 2nd, A. E. Doty. Decorative, 12 blooms, 12 varieties—1st, N. Slocombe, Farmington, Conn.; 2nd, N. Nelson. Decorative, 6 blooms, 6 varieties—1st, C. Louis Alling; 2nd, A. E. Doty. Single, 6 vases of 3 blooms each—1st, N. Slocombe; 2nd, W. S. Mason. Peony, 12 vases—1st, N. Nelson; 2nd, J. F. Huss. Peony, 6 vases—1st, C. Louis Alling; 2nd, N. Nelson. Peony, best collection—John F. Huss. Pompon, 12 vases—1st, N. Nelson. Pompon, 6 vases—1st, C. Louis Alling; 2nd, N. Nelson. 50 varieties, 3 blooms each—1st, George L. Stillman; 2nd, Warren S. Mason, Farmington, Conn. Collection of Decorative—N. Nelson. Cactus—1st, N. Nelson; 2nd, A. E. Doty. Pompon—C. Louis Alling. Fancy—N. Nelson. Peony—G. L. Stillman. Collarette—1st, G. L. Stillman; 2nd, J. F. Huss. Vase of 25 blooms—1st, N. Slocombe; 2nd, W. S. Mason. Collection of seedlings—1st, J. F. Huss; 2nd, N. Nelson. Floral piece of dahlias—N. Nelson. Specimen seedling—1st, G. L. Stillman; 2nd, N. Nelson. Largest bloom—1st, Alfred E. Doty; 2nd, G. L. Stillman.

Open to all. Gladioli, 12 spikes—A. Righenzi. Six vases of gladioli, 6 blooms each—A. Righenzi. Six vases of asters—1st, W. S. Mason; 2nd, A. Righenzi. Asters, 25 blooms, one variety—1st, H. L. Metcalfe; Hartford, Conn.; 2nd, A. Righenzi. Collection of asters, 25 blooms of each—1st, A. Righenzi; 2nd, H. L. Metcalfe. Snapdragon—J. M. Adams, Hartford. Display of Annuals—1st, J. F. Huss; 2nd, N. Nelson. Fruit—1st, Louis Chauvy, Hartford; 2nd, J. F. Huss. Vegetables—1st, J. F. Huss; 2nd, Louis Chauvy. Exhibit of most general merit—George L. Stillman. Dahlias in pots—A. Righenzi. Dahlias, 12 blooms, one variety—1st, C. Louis Alling; 2nd, N. Nelson.

Specials. By Stumpp & Walter Co., New York. Ten varieties of Vegetables—1st, J. F. Huss; 2nd, Alfred Cebellus; 3rd, Louis Chauvy.

By Arthur T. Boddington, New York. Ten varieties of Vegetables—1st, A. Righenzi; 2nd, J. F. Huss.

By C. H. Sierman, Hartford. Display of Perennials—1st, J. F. Huss; 2nd, W. W. Hunt & Company.

Special diplomas were awarded to John F. Huss for arrangement of palms and stove plants; G. Minge for

group of Boston ferns; to John H. Slocombe, for display of seedling dahlias; to the Park Department for display of geraniums, dahlias and hardy perennials; to W. W. Hunt & Company, for exhibit of bay and boxwood trees.

ALFRED DINO, Sec'y.
Wethersfield, Conn.

NEW BEDFORD HORTICULTURAL SOCIETY.

The annual dahlia exhibition of the New Bedford Horticultural Society held in the Library Building on Tuesday, September 22 and 23, was very pleasing. Owing to weather conditions dahlias in this section have not done as well as usual, nevertheless the tables were well decorated with excellent specimens. The principal competition centered around the class for dahlias arranged for effect with any foliage, covering 30 square feet. Dahlia exhibitions as a rule, do not present as attractive an appearance as peonies, roses or chrysanthemums, so, to induce exhibitors to overcome the stiff, set look of such shows, the principal prize was given in this class. The result was very gratifying, the sameness of previous exhibitions disappeared and the hall looked very attractive. Arthur E. Griffin superintendent of the Galen Stone place, captured first prize with a stand of crotons, caladiums and ferns intermingled with large vases of dahlias in the rear and specimen blooms in the foreground. W. D. Hathaway, second with a display of the finest blossoms in the show, but lacking in effect enough to lose the coveted first prize. Wm. Keith, gardener for T. M. Stetson, third with a nice display of foliage plants, but lacking in number of flowers, the effect being good, but from the standpoint of a dahlia show, the main display was lost among the green. J. C. Forbes had a fine table comprising vases of single and peony-flowered dahlias. Among the amateurs J. A. Nolet of this city was high man capturing nearly all the first prizes.

Noteworthy seedlings were exhibited as follows:

Mrs. Frederick Grinnell—a deep rich pink peony-flowered variety of excellent form and fair stem. Exhibited by J. P. Rooney. Mrs. Henry Denison—cactus, clear pink shading lighter toward the centre, of massive build with numerous heavy petals. Exhibited by Forbes & Keith. Mrs. Lillie P. Hathaway, buff decorative of good size with strong erect stem and Miss Edna L. Hathaway a good addition to the list of orange decoratives. Exhibited by W. D. Hathaway.

W. F. TURNER.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

At the next meeting of this club, on October 20, L. W. C. Tuthill of New York will deliver a lecture on "Advertising, the Spark Plug of Business." Mr. Tuthill had arranged to give this lecture last spring and was unavoidably prevented from attending. There will be a large floral display on the exhibition table, including chrysanthemums from several places, and a large attendance is hoped for.

W. N. CRAIG, Sec'y.

Fine Ferns Ready for Immediate Retail Sale

We offer the following varieties of Ferns in the sizes specified, which we have in perfect shape at this time.

Nephrolepis muscosa, 3½-inch, 25c; 5-inch, 50c each.

Nephrolepis elegantissima, 6-inch, 50c; 8-inch, \$1.00; 10-inch \$2.00 each.

Nephrolepis elegantissima compacta, 3½-inch, 25c; 6-inch 50c; 8-inch, \$1.00 each.

Nephrolepis superbissima, 6-inch, 50c each.

Nephrolepis magnifica, 5-inch, 50c each.

Nephrolepis Piersoni, 6-inch, 50c; 8-inch, \$1.00 each.

Nephrolepis, Dwarf Boston, 8-inch, \$1.00 each.

Nephrolepis Harrisii, 6-inch, 50c; 10-inch, \$2.00 to \$3.00; 12-inch, very large plants, \$5.00.

F. R. PIERSON CO.
TARRYTOWN, NEW YORK

Stuart Low & Co., Bush Hill Park Nurseries ENFIELD, ENGLAND

ORCHIDS, 25 houses full.

PALMS, 40 houses full.

FRUIT TREES for garden, 100 acres

FRUIT TREES, pot grown for Orchard houses.

Fig TREES, pot grown

GRAPE VINES, pot grown

ROSES, field grown by the 100,000.

ROSES, pot grown for Pergolas and forcing

CYCLAMEN SEED, very finest strain.

Our representative will be in the United States during September and October and will be pleased to meet or give particulars to anyone interested. Address

Mr. Harry A. Barnard, Hotel Albert, University Place, New York City

CHRYSANTHEMUM SOCIETY OF AMERICA.

Examining Committees.

President Wm. Kleinheinz announces the committees to examine new chrysanthemums for the ensuing year as follows:

Chicago—N. J. Wiator (chairman), George Asmus, Guy French. Ship flowers to chairman N. J. Wiator, 30 E. Randolph St., Chicago.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman Jabez Elliott Flower Market care of janitor.

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, 1 Winthrop Square care of chairman.

New York—Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 W. 26th Street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1511 Chestnut Street.

Shipments should be made to arrive by 2 P. M. on examination days to

receive attention from the committee. Must be prepaid to destination and an entry fee of \$2.00 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule, that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 3, 10, 17, 24 and 31 and November 7, 14, 21 and 28.

CHAS. W. JOHNSON, Sec'y.

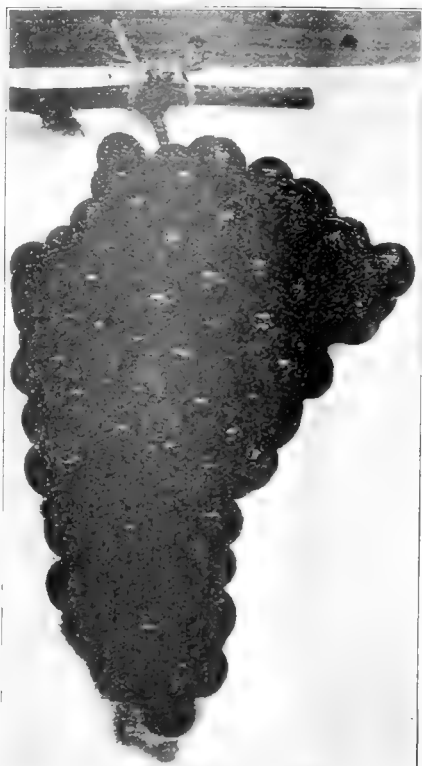
Morgan Park, Ill.

OLD TOWN NURSERIES 35,000 BERBERIS THUNBERGII

All Sizes. Write for Prices

M. P. Haendler, Prop.

HOT HOUSE GRAPES



Black Hamburg, Muscat of Alexandria, Alicante, Appley Towers, Gros Colmar, Gros Guillaume, Lady Downe's Seedling, Madresfield Court, Black Muscat

They are grown in our own greenhouse and can be shipped immediately, if desired

Strong Fruiting Canes
Planting Canes

R. & J. FARQUHAR & COMPANY

6 South Market Street, Boston, Mass.

AMERICAN DAHLIA SOCIETY.

The constitution and by-laws of the new Dahlia Society started last week at New York are quite different in some respects from any similar document that has ever come to our notice. Among other innovations, the

entire list of officers must be selected from amateurs, with the exception that "when no amateur is willing to accept the burden of secretaryship a professional or commercial member may fill said office." The headquarters must be New York City and the secretary must reside there and among his duties is the preparing and publishing of a monthly "Dahlia Journal" which shall be distributed free to members. There will be no meetings and all the business, voting, etc., of the society shall be conducted by mail.

ST. LOUIS CLUB AND ASSOCIATION MEETINGS.

The Retail Florists' Association met on Monday, Sept. 21, at the Washington Hotel. It was voted that all meetings in the future would end up with a few games at bowling and a nice lunch.

The St. Louis Florist Club will meet Thursday, October 8th, at 2 o'clock. Secretary Beneke says the programme mapped out at the recent officers' meeting will be read to the members for their approval.

The Ladies' Home Circle were the guests of Mrs. Fred W. Brunning at Brunning's farm in Columbia, Ill., on Wednesday, Sept. 23. Mrs. E. Schray will entertain the Circle on Wednesday, October 7th, at her home, 4100 Pennsylvania avenue.

The St. Louis County Growers' Association will meet on Wednesday night, October 7th, at the Eleven Mile House at 8 P. M. President Vennemann and Secretary Joseph Duetschmann are making big efforts for a large attendance.

CLUB AND SOCIETY NOTES.

The 19th annual flower show of the Morris County Gardeners' and Florists' Society will be held in James Assembly Hall, Madison, N. J. on October 28 and 29.

At the Kentucky State Fair in Louisville, last week, some of the prominent exhibitors in the floral department were Nanz & Neuner Co., E. G. Reimers & Son, G. Robert Miller and Wm. L. Korb, all of Louisville.

JAPANESE Bamboo Canes

Just the thing for
Staking Plants and
Small Trees

	Per Bundle
6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

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30 and 32 Barclay Street
NEW YORK

HEACOCK'S KENTIAS



JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

BODDINGTON'S "QUALITY" CHRISTMAS-FLOWERING SWEET PEAS WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will again be scarce this season. The winter-flowering Spencer types are almost a total failure owing to the exceptional season in California this Spring, and through the ravages of Aphids.

We regret that our stocks of YARRAWA and ANITA WEHRMAN are entirely exhausted, also many other good varieties, but we can still offer the following while stocks last. Order at once to avoid disappointment—remembering that our stocks are true to name and while a little higher in price, will save you money in the long run.

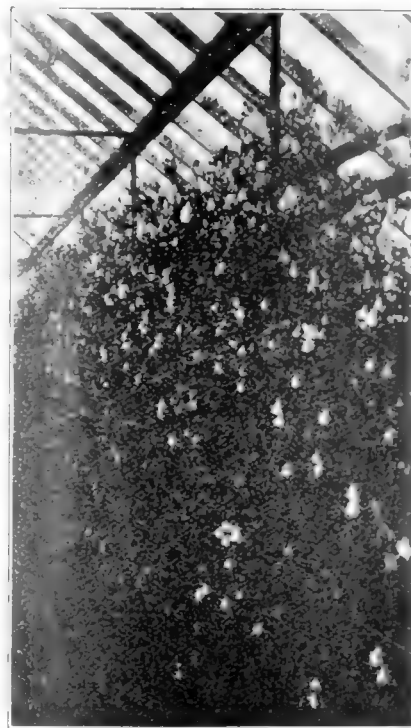
ROSE QUEEN "ROSE QUEEN" is Orchid-flowering, borne on long stems, extremely free and early and of pink color, very attractive, is a decided acquisition, and like all meritorious novelties is sure to be in demand wherever grown. Prices: Trade pkt., \$1.00; 3 trade pkts. for \$2.75; 1 oz., \$12.00.

THIS ADVERTISEMENT CAN BE USED AS AN ORDER SHEET

Remember, you may deduct 5% if cash accompanies the order.

Oz. ¼ lb. ½ lb. 1 lb.

...BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—Will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting.....	\$0.25	\$0.75	\$1.25	\$2.00
...BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months.....	.15	.50	.85	1.50
...BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer.....	.15	.50	.85	1.50
...CANARY. Similar to the Christmas White, but flowers of an exceptionally good yellow.....	.35	1.00	1.75	3.00
...FLORENCE DENZER. Pure white.....	.25	.75	1.25	2.00
...LE MARQUIS. This is the same color as Princess of Wales violet; has very large flowers.....	.35	1.00	1.75	3.00
...MISS HELEN M. GOULD. White, open flower; standard lilac, marbled....	.35	1.00	1.75	3.00
...MISS JOSEY REILLY. Lilac; very large flowers.....	.35	1.00	1.75	3.00
...MRS. ALEX. WALLACE. Lavender; very scarce.....	.25	.75	1.25	2.00
...MRS. HANNAN. Deep rose pink; very pleasing shade.....	.25	.75	1.25	2.00
...MRS. WILLIAM SIM. Salmon pink..	.25	.75	1.25	2.00
...MRS. W. W. SMALLEY. Satiny pink.	.25	.75	1.25	2.00
...MRS. F. J. DOLANSKY. Daybreak pink.....	.50	1.50	2.25	4.00
...MRS. CHAS. H. TOTTY. Sky blue; late.....	.25	.75	1.25	2.00



Sweet Peas of C. W. Curtis, Irondequoit, N. Y. Raised from Boddington's Quality Seed.

	Oz.	¼ lb.	½ lb.	Lb.
...MRS. ZVOLANEK. Blue, variegated; good for variety.....	.50	1.50	2.75	5.00
...WATCHUNG. Pure white.....	.25	.75	1.25	2.00
...WM. J. STEWART. Blue self.....	.35	1.00	1.75	3.00

Please write your name and address here and mail order today.

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Arthur T. Boddington, Seedsman

342 West 14th Street, NEW YORK

ORCHIDS

We grow and sell nothing but ORCHIDS. If you are in the market for this class of plants we respectfully solicit your inquiries and orders. Special lists on application.

LAGER & HURRELL, Summit, N. J.

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

PEONIES

Fifteen fine named Peonies for \$2.50, or 25 for \$5.00, all different and truly labeled, a chance to obtain a fine collection at half price, comprising such varieties as Festiva Maxima, Felix Crousse, Delachei, Achillea, Lady L. Bramwell, Couronne d'Or, Prolifica Tricolor, Louis Van Houtte, and various other fine sorts. With any order of above for \$5.00 I will include one plant of Baroness Schroeder, free. I have the largest stock in America of Lady Alexandra Duff (absolutely true) and many other fine varieties. Send for catalogue.

W. L. GUMM, Peony Specialist
Remington, Indiana

HOLLAND NURSERIES

BEST HARDY RHODODENDEONS,
AZALEAS, CONIFERS, CLEMATIS,
H. P. ROSES, SHRUBS, AND HER-
BACEOUS PLANTS.

P. OUWERKERK, 216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

CYCLAMEN

Best strain in existence.

4 inch	\$35.00
3 inch	50.00
4 inch	75.00

THOMAS ROLAND,

Nahant, Mass.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. M. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

New Onion Industry in Bahamas.

(Consult W. F. Doty, Nassau, New Providence.)

Efforts to market onions grown in the Bahamas have hitherto proved futile, but the Florida representative of a New York commission house has arranged to dispose of all the onions which the planters will grow. He will leave an agent, and will arrange that the growers be supplied with seed, crate materials, nails, and paper, and will arrange transportation from the various islands to Nassau and thence to New York. This offer, together with local government encouragement, will probably result in the shipment of about \$100,000 worth of onions this coming season and much more in succeeding seasons. These onions will be marketed earlier than those from Texas.

THE TRUE SITUATION IN HOLLAND.

HORTICULTURE, Boston.

Gentlemen—There have been reports in some horticultural and other papers in your country about the bad condition in Holland stating that a 50 per cent. higher freight-rate on the ocean was expected; banks were closed and many people out of work. There is some truth in it but conditions are not so bad as described. The Holland-America Line contracted with all customers in the horticultural line on the same basis as before and for the same prices, with the exception of cheap trees which paid a freight of 12/6 per 40 cubic feet which price is raised to 15/-.

Money is hard to get, as customers living in those countries which are in war do not pay their bills, while checks occasionally received from those countries were not accepted by the banks. There are lots of people out of work, but as far as I can control the nurserymen employ their full staff with the exception of some men who are in the army now.

Holland is still neutral and the exporters will be able to fill all orders placed until now and many more which they expect from their American friends.

JACS SMITS,

Naarden, Holland.

Sept. 16, 1914.

BOSTON FRUIT AND VEGETABLE EXHIBITION.

The October exhibition of the Massachusetts Horticultural Society will be held at Horticultural Hall, Saturday and Sunday, October 3 and 4. This exhibition will be devoted exclusively to a display of seasonable fruits and vegetables and will furnish a good opportunity to see the best products of New England orchards and gardens. Apples especially will be in large supply and the lead-

LILIUM FORMOSUM

We are in a position to supply specially selected stock of this favorite type of Easter Lilies. Our bulbs have been grown from the original true type and none better can be obtained at any price. We advise immediate ordering, as the stock is limited.

GREEN STEM STRAIN—(FOR EARLY BLOOMING)

	Bulbs in each case	Per doz.	Per 100	Per 1000
6 to 8 inches	400	\$0.60	\$4.50	\$40.00
7 to 9 inches	400	1.00	6.75	62.50
8 to 10 inches	225	1.30	8.75	80.00
9 to 10 inches	200	1.60	10.25	95.00
10 to 12 inches	150	2.25	15.00	140.00
12 to 14 inches		2.50	18.50	175.00

DARK STEM TYPE—(FOR EARLY BLOOMING)

	Bulbs in each case	Per doz.	Per 100	Per 1000
6 to 8 inches	400	\$0.80	\$5.25	\$48.00
8 to 10 inches	225	1.60	10.00	92.50
9 to 10 inches	200	1.80	12.50	105.00
10 to 12 inches	150	2.25	15.00	140.00

Cold Storage Lilium Giganteum

Just the kind to grow for Xmas and New Year's. Only a few thousand left, which we offer at special low price.

7 to 9 inch size, per case of 300, \$21.00; \$70.00 per 1000.

Paper Whites, Romans, Freesias, Callas, Lil. Harrisii ready now

For full line of Bulbs and seasonable seeds write for our new Wholesale Catalog

HENRY F. MICHELL CO. 518 Market Street, PHILADELPHIA, PA.

ing varieties of pears, grapes, peaches, plums, quinces and cranberries will be shown. A long list of garden vegetables will be also exhibited, showing the perfection of quality attainable in this section of the country.

The exhibition is free and will be open Saturday from 12 to 6 and Sunday from 2 to 6 o'clock.

WM. P. RICH, Sec'y.

CATALOGUES RECEIVED.

Wm. Toole & Son, Baraboo, Wis.—Fall Catalogue of Bulbs and Hardy Plants for 1914.

Currie Bros. Co., Milwaukee, Wis.—Currie's Bulbs and Plants; Autumn, 1914. Illustrated.

F. W. Kelsey Nursery Co., New York City.—Trees, Shrubs and Hardy Plants for Fall and Spring Planting. Wholesale Special List.

New England Nurseries Co., Bedford, Mass.—Wholesale Price List for Nurserymen, Florists and Dealers. A splendid list of hardy ornamental garden stock.

Wm. Elliott & Sons, 42 Vesey street, New York City.—"Guaranteed Bulbs," 69th Autumn Edition. Darwin Tulip Bartigon makes a brilliant showing on the cover page.

Stumpp & Walter Co., New York, N. Y.—Bulbs for Autumn Planting, 1914, Fall Edition. An exceptionally elaborate fall catalogue, superbly illustrated and in every detail a high class publication.

A. T. Boddington, New York.—Summer and Autumn Florists' Bulbs and Seeds for Forcing and Planting. Attractively compiled, with many half-tone engravings and "The Seal of Quality" occupying the center of the stage on the cover.

Fottler, Fiske, Rawson Co., Boston.—Bulbs for Autumn Planting, 1914. Grey covers bearing embossed illustrations in natural colors of trumpet narcissi and Darwin tulips give an un-

usual distinctiveness to this comprehensive and seasonable catalogue.

C. C. Morse, San Francisco, Cal.—Illustrated Price List of Sweet Pea Novelties for 1914. This is an album, rather than a catalogue. The pages 10 x 14 in., are filled with beautiful engravings on heavy coated paper, showing Margaret Atlee, Miriam Beaver, Jessie Cuthbertson, Royal Purple, Margaret Madison, Helen Pierce, Veiled Bride, King White and other lovely debutantes in irresistible poses.

Freesia Purity Bulbs

1½-in. diam., 1½-in. long.
Per 100, \$2.00 Per 1000, \$10.00
Extra Mammoth Bulbs,
\$3.00 per 100

Refracta Alba

¾ to 1½ inch \$3.00 per 1000
1½ to ¾ inch 5.00 "
¾ inch and upward ... 8.50 "

Lilium Harrisii

(Bermuda Easter Lily)

5 to 7 inches in circumference
\$5.50 a hundred \$45.00 a thousand
7 to 9 inches in circumference
\$10.00 a hundred \$85.00 a thousand

And all other varieties at reasonable prices.

Also a few cases Cold Storage
Lily of the Valley Pips

Cases of 250 each for..... \$4.50
Cases of 500 each for..... 8.00
Cases of 1000 each for..... 15.00

Ask for a copy of our Bulb Catalog and Special Prices to Florists

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SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm

Braslan Seed Growers Company

SAN JOSE, CALIFORNIA

Large wholesale growers of ONION, LETTUCE, CARROT, RADISH, PARSNIP, PARSLEY, CELERY, ENDIVE, LEEK, SALSIFY and SWEET PEAS.

Write for 1914 Contracting Prices

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

At 69 cents per lb.

F. O. B. TENERIFFE, packing extra.

YELLOW AND RED BERMUDA ONION SEED FOR ONION SETS

Several small growers in Teneriffe have given me the commission to offer and clear their surplus stock of 1914 onion seed at the above low price, subject to being unsold. Terms C.O.D. Cable orders to FEDERICO VARELA, TENERIFFE, and sign your full name.

THIS OFFER IS OPEN TO SEEDSMEN ONLY.

New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.
ASTER—All varieties.
VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St.
STAMFORD, CONN.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

When writing to advertisers kindly
mention HORTICULTURE.

GARDEN SEED

BEEF, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Dey St., NEW YORK
and ORANGE, CONN.

It is our BUSINESS to supply
you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

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WHAT ABOUT THAT BULB ORDER

We are now prepared
to take care of your
entire wants

Send for Our Fall Catalogue

JAMES VICK'S SONS, Rochester, N.Y.

Place your order now for Ayres' Winter
Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

NEW CROP SEEDS

FOR FLORISTS

Ask for 1914 Catalogues

Joseph Breck & Sons Corp.
Seedsmen

47-54 No. Market St., BOSTON, MASS.

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest
flowers and vegetables back of them—
carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
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WHOLESALE FIELD AND GARDEN SEEDS
Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

THE KENILWORTH GIANT PANSY SEED

For fuller description see
my ad in July and Au-
gust Horticulture or
send for list. 1000
seeds, 25c; 1000
\$1.00; 1 lb. 10.

1000, \$5.00. Princess
New Upright Pansy.
1000 seeds, 25c; 1000
\$1.00; 1 lb. \$10.00



CHAS. FROST

ALEX. McCONNELL

611 FIFTH AVENUE
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cost of Calling Foreign Florists Must be prepaid

Reference or cash must accompany all orders from unknown correspondents.
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761 Fifth Ave.

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to
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Write or Telegraph

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City
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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

NEW YORK CITY

AND VICINITY
A. WARENDORFF

Artistic Work. Reasonable Prices.
Prompt Delivery of Steamer Orders.
1193 Broadway, My Only Store

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New York cities and
towns.

Palmer's

304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

When writing to advertisers kindly
mention HORTICULTURE.

Of Interest to Retail Florists

Royersford, Pa.—Burgentz & Tryball have purchased the florist business of E. R. Nace.

H. O. Miller of Minneapolis, Minn., will open a floral store this week on Broadway, St. Louis, Mo., in the new Boatman's Bank Building.

J. W. Howard has remodelled his store at Harvard square, Cambridge, Mass., and has installed a mahogany refrigerator 13 feet long and 10 feet in height.

Richard Umfried, 5th and Fairmount avenue, Philadelphia, has sold out his retail store to Miss Mary A. Brown. Miss Brown now has two stores—the original being at 5th and Rising Sun avenue.

Roxbury, Mass.—C. R. Dane's floral establishment has been broken into on two successive Sundays, the cash box emptied and furniture and stock generally turned topsy-turvy by the intruders.

Park Street Church in Boston is being remodelled so as to provide two stores fronting on Tremont street. One of these is to be occupied about November 1 by Houghton & Gorney, a new firm. F. H. Houghton has been doing business as a retail florist at 4 Park street for several years.

NEW FLOWER STORES.

Chicago, Ill.—Boulevard Florist, 337 East 39th street.

Hartford, Ct.—Coombs, the florist, 364 Asylum street.

Columbus, O.—Hellenenthal, Florist, 231 South High street.

San Francisco, Cal.—Union Flower Shop, 2179 Union street.

Painesville, O.—Wilson Flower Shop, 124 North St. Clair street.

Philadelphia, Pa.—Sherwood Flower Shop, 5537 Baltimore avenue.

Chicago, Ill.—The Flower Shop, C. J. Baker, proprietor, 1514 Thirteenth street.

NEWS NOTES.

Willimantic, Ct.—S. Catalano has purchased the Garrity greenhouses on Mansfield avenue.

Chicago, Ill.—Mrs. J. T. Lang has sold her store and greenhouses at 2010 Melrose street to Frank Evert.

Mt. Sterling, Ky.—David Harris has leased the Corbett greenhouses at Clay street and Corbett avenue.

Washington, D. C.—A. J. and L. R. Covert have opened an office at 1477 Newton street for the sale of high grade nursery stock.

Bermuda — Theodore Outerbridge has been called upon to part with some of his land in Hamilton Parish for military use on account of the war. Mr. Outerbridge states that Sunnylands never looked better than it does this year. Crotons have done splendidly and the night blooming jasmine is a sight and a perfume never to be forgotten. Owing to the heavy rains last spring cypas leaves have grown to nearly six feet long.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

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Stock and Work First Class

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Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George Asmus, Mgr.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Cleveland, Ohio—Adam Graham & Sons, 5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.

Kansas City, Mo.—Samuel Murray, 913 Grand Ave.

Montreal, Can.—Hall & Robinson, 825 St. Catherine St., W.

Montreal, Can.—P. McKenna & Sons, 770 St. Catherine St., West.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St. and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth Ave.

New York—Thos. F. Galvin, Fifth Ave., at 46th St.

New York—A. Warendorff, 1193 Broadway.

New York—J. H. Small & Sons, 1153 Broadway and Waldorf-Astoria.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

St. Paul, Minn.—L. L. May & Co.

Stamford, Conn.—"Quality Shop," Stamford Seed & Nursery Co.

Tarrytown-on Hudson, N. Y.—F. R. Pierson Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Washington, D. C.—F. H. Kramer, 915 F St., N. W.

Washington, D. C.—J. H. Small & Sons, cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop, 3 Pleasant St.

NEWS NOTES.

Roslindeale, Mass.—Antoine Leuthy has just received a shipment of palms, azaleas, etc., from Belgium, 60 cases in all.

Pittsburgh, Pa.—The loss of the Pittsburgh Cut Flower Company in the big fire on September 16 is estimated at fully \$3 000.

Meriden, Conn.—John Bonell has decided to dispose of his florist establishment and business, his position in the government revenue service requiring all his time.

Highfield, Md.—William Ripple, Rouzerville, has leased the hot houses of C. F. Happel & Son, and will engage in the gardening and florist business on a large scale.

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3 PLEASANT ST., WORCESTER, MASS.

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PHILADELPHIA NOTES.

Louis Burk will erect a new show conservatory for a collection of fancy flowering and foliage plants recently purchased in England. It will be 18 by 80 feet, Lord & Burnham, and located at his present range, Fishers Lane and Wyoming ave.

The Henry F. Michell Company's Sixth Annual Exhibition of dahlias and vegetables on September 22 to 26, was a grand success, drawing to the store large crowds of flower lovers as well as professional growers. About five thousand flowers were on exhibition and great rivalry was manifested among competing exhibitors. In the dahlia class William Robertson, superintendent for J. W. Pepper carried off most of the prizes, while Robert J. Morrow, superintendent for the estate of George I. Bodine was a close second. A display that was especially noted was one made by Mrs. J. Gardner Cassatt consisting of a set of twelve seedling dahlias, the like of which has seldom been seen before. They were produced by her gardener Thomas Holland, and were the center of attraction throughout the show. The exhibition was such a great success that the company will hold a second show on October 1, 2 and 3, at the Million Dollar Pier, Atlantic City, N. J.

Recent diplomatic events impressed us with the idea that there is a big difference between a diplomat and a genius. As is usual when we are puzzled we ask whoever may be at our elbow. In this instance it happened to be Doc. Lane. Said he: "A genius? Why, a genius is a fellow who can make something out of nothing." That sounded too much like the Creator of the Universe for us, so we next went to Little Tommy, the 70-year-old waiter at the Bellevue, who won the prize last year on the definition of a diplomat. Tommy answered right off the reel in a flash "A genius? Why, that's a man who has good thoughts and always gets left." That doesn't sound right either. McNab's definition of a genius—(under compulsion from Robert Craig):—"An editor who refrains from cutting out all the interesting parts from my masterpieces."

T. Claiborne Dobbins: "A genius is a man who is a wonder in his art."

William Burchard: "A genius is a man out of the ordinary." Commodore Westcott was listening and he thought Burchard was just right—so we shall have to wait until the Commodore has forgotten that before we get him. Now, just what is a genius? We offer a valuable prize for the best answer. The award will be made next Christmas. Twenty-five words the limit. Personalities barred. This has nothing to do with affiliation. Our idea is to try to keep them affiliated while we have them—and not to encourage seceders. So don't work affiliation into this contest.

G. C. W.

WASHINGTON NOTES.

Jack Philipps is spending several weeks visiting his relatives in Toledo, Ohio.

Frank Keefer has left the employ of Gude Bros. Company, to accept a position in the store of his uncle in Des Moines, Iowa.

The branch of the Flower Shop at 3211 Mount Pleasant street has been opened for the season and a new Ford delivery wagon secured for this store. C. A. Machen will look after this business.

Karl F. Kellerman has been appointed assistant chief of the bureau of plant industry, of the Department of Agriculture, to fill a vacancy caused by the resignation of L. C. Corbett which was submitted in order that he might become chief in the office of the bureau of horticulture.

The store of F. H. Kramer, has been redecorated and repainted and a number of minor repairs made in the conservatory. A small room has been built at the rear to provide accommodations for the bookkeeper and cashier and a small private office for Mr. Kramer. These improvements have greatly added to the appearance of the store.

George H. Cooke is preparing to move to the new store now undergoing construction next to the one from which he was forced to move several months ago. When the work is completed Mr. Cooke will have one of the finest stores in the city. Edward Niedomanski, with George H. Cooke, spent several days camping and fishing at Catocin, Md., where Mr. Cooke maintains a camp during the summer.

New heating arrangements are being made in the matter of heating the greenhouses at Gallaudet College. The old heating apparatus contained within the houses is being pulled out and new pipes run to the plant that takes care of the college buildings. The space formerly occupied by the boiler will be used for storage and other purposes. The work comes at a time when Mr. Mangum, the head gardener at the college, has just got his houses in shape for the winter.

The steamer Westerdick, which arrived at Baltimore last week, brought over a large consignment of bulbs from Holland for Fred H. Kramer and about completed the orders placed by him with the European growers before the war. Mr. Kramer states that he has had but very little difficulty in securing his shipments. On this boat were also twenty-three cases of Holland bulbs intended for planting in the parks and around the White House, and an order has been issued admitting these bulbs free of duty.

Otto Bauer, who for the past nine or ten years has been connected with the Washington Florists' Company, has accepted the position of manager for the S. S. Pennock-Meehan Company, at 1216 H street. Mr. Bauer will be succeeded as manager of the Washington Florists' Company by J. Harper Hetherington, who has been with the firm for nearly four years. Mr. Hetherington is a very energetic young chap and during his stay of nearly six years in Washington he has made a host of friends, all of whom wish him success in his new position. He is a graduate

CHICAGO

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of the Century Flower Shop, in Philadelphia, having learned the trade under H. H. Battles. Mr. Bauer is an ex-president of the Florists' Club, and has taken a prominent part in the work of that organization and of the S. A. F. and O. H. He, too, has the best wishes of his friends in the trade for his future success.

CHICAGO NOTES.

Carl Poehlmann, son of Mr. and Mrs. August Poehlmann, who graduated from Western Military Academy last June, has entered the Horticultural Department of the University of Illinois.

A new pink snapdragon from Chas. Rathjen's place, in Janesville, Wis., is being tested at Poehlmann Bros. It is not extremely large but is of a beautiful tint of pink and has splendid keeping qualities. The lower florets do not wither but keep bright and firm while the upper ones unfold.

Phil Schupp has lily of the valley pips sufficient to last until next June and does not expect to increase his price because of the chances of not being able to secure more. Recent letters received tend to confirm the doubts regarding this stock rather than to dispel them. There is no question now but what azaleas are coming over quite as fast as they are welcome. Holland bulb men are following up their letters in person. There will be plenty of explanations needed.

TENNESSEE GETTING BUSY.

A. H. Dailey, C. W. Crouch, Chas. L. Baum and Roy Baum attended the State Fair at Nashville. They noted but very few florists' displays and attribute this to the fact that the florists of the state are not organized. They spent a good portion of their time with the Nashville florists encouraging them to organize a society similar to the one in Knoxville. By getting several of the larger cities organized it will be an easy matter to form a state organization. The Nashville florists are all energetic and wide-awake and there is no plausible reason why they should not have one of the largest and best organizations in the South. Mr. Baum also solicited members for the S. A. F. & O. H. and was successful in getting several promises. They stopped in Chattanooga and called on the florists of that city also. Mr. Dailey who was one of the judges of the vegetable exhibit at the fair, says, "Everything came up to the usual high standard."

1129 Arch St., Philadelphia, Pa.

IRISH FIRE FLAME

The choicest novelty in yellow roses. Our grower has commenced cutting this rose in quantity. When you want some out of the ordinary in yellow, try Fire Flame.

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Block Letters, \$2.00 per 100.
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Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

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POEHLMANN BROS. CO.

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If interested, send us your name and address for our weekly price list.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

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226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 28		CHICAGO Sept. 28		BUFFALO Sept. 29		PITTSBURG Sept. 28	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 18.00
" " Fancy and Extra.....	18.50	to 15.00	15.00	to 20.00	15.00	to 20.00	10.00	to 12.50
" " No. 1.....	8.00	to 10.00	6.00	to 10.00	8.00	to 10.00	4.00	to 6.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" " Ordinary.....	3.00	to 4.00	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" " Ordinary.....	3.00	to 4.00	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Maryland, Taft, Extra.....	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	6.00	to 8.00
" " Ordinary.....	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00
Russell, Shawyer.....	5.00	to 8.00	3.00	to 15.00	6.00	to 8.00	6.00	to 8.00
Carnations, Fancy.....	.....	to 1.00	1.00	to 2.00	.....	to 2.50	.....	to 2.00
" " Ordinary.....	.....	to 2.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Cattleyas.....	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00	30.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.50	5.00	to 8.00	7.00	to 10.00	8.00	to 10.00
Lily of the Valley.....	4.00	to 6.00	3.00	to 5.00	4.00	to 5.00	2.00	to 4.00
Asters.....	1.50	to 3.00	1.00	to 3.00	.50	to 1.50	1.00	to 3.00
Gladioli.....	2.00	to 5.00	2.00	to 4.00	2.00	to 2.50	2.00	to 4.00
Corn Flower.....	.....	to 1.00	.....	to 1.00	.25	to .50	.....	to 1.00
Chrysanthemums.....	.....	to 6.00	6.00	to 20.00	15.00	to 20.00	.....	to 20.00
Pahias.....	2.00	to 4.60	2.00	to 4.00	1.00	to 3.00	.50	to 2.00
Sweet Peas.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gardenias.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax.....	.....	to 12.50	10.00	to 15.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, Strings (100).....	to 50.00	40.00	to 50.00	40.00	to 60.00	30.00	to 50.00
" " & Spreng. (100 bchs.).....	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00	30.00	to 40.00

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

Flower Market Reports

For the past few days **BOSTON** this market has been nearly swamped with the heavy accumulations of flowers, but now the situation, following a sharp frost, is much improved and today, Thursday, has seen a very welcome spirit of activity. Roses are good, and not too plentiful. Carnations are received rather too heavily for the demand but they hold their price pretty well when good. Lily of the valley has eased up somewhat but longiflorum lilies are holding firm. Asters are plentiful, low grade and cheap. Chrysanthemums rapidly increasing in number and quality. Violets are in and bring 50c. a hundred. The outlook is for a rather overloaded market generally, should there be good weather.

Business seems to be

BUFFALO on the upward course.

The outdoor stock is gradually leaving us and the indoor material is more sought for. Chrysanthemums are coming on more each day and have taken well. Dahlia shipments from Eastern points have not arrived in good shape. Roses continue to come in quantity and there are any amount of the shorts, which are hard to move. Lily of the valley and lilies have sold well and the market has been fairly cleaned up daily. Carnations are coming on nicely. There are some excellent Enchantress and White Perfection and these have sold readily.

Summer weather pre-

CHICAGO vails and there has been

no frost to kill the outdoor flowers. The increase in demand which was slightly evident earlier in the month, has dropped off again and even some good flowers are wasted. The supply of roses is a little less, but there are still more than can be used. Quality is excellent and the buyer has everything in his favor. Asters are decidedly less in evidence; home grown ones are fast dwindling away and eastern shippers have about ceased to send to this market. Lily of the valley sales lag this week. Chrysanthemums are becoming an important factor in the day's sales, October Frost and Golden Glow comprising the bulk of the cutting. Smith's Advance is about gone. Carnations are more plentiful each day, the size of the flower and the length of stem showing up well for the last of September. Altogether business is far from good.

The market is still

CINCINNATI crowded by the large receipts of dahlias,

asters and roses. Business is picking up but not enough to cause an advance from the low prices. Dahlia receipts are generally of a high quality. Cosmos has a fair call. Roses are in a very heavy supply. American Beauties, however, are rather scarce. The lily supply has shortened considerably. Last week the first chrysanthemums



OCTOBER WEDDINGS

White Orchids and Valley in quantity and of splendid quality too. Also Cattleyas, Vandas, Oncidiums and Cypripediums.

	Doz.	100
Cattleyas	\$6.00	\$40.00
Dendrobium Formo-		
sium	6.00	
Vanda Coerulea	2.00	15.00
Cypripediums (fancy)	2.50	
Oncidiums .....	.50	3.00

We can also supply Orchids in attractive assortments, \$5.00, \$10.00 and \$15.00 boxes.

VALLEY: Special, \$5.00 per 100; Extra, \$4.00 per 100.

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WASHINGTON: 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Oct. 1		ST. LOUIS Sept. 25		PHILA. Sept. 25	
Roses						
Am. Beauty, Special	2.50	to 25.00	20.00	to 25.00	15.00	to 20.00
“ “ Fancy and Extra	0.90	to 15.00	10.00	to 15.00	10.00	to 12.00
“ “ No. 1	1.50	to 4.00	5.00	to 8.00	4.00	to 6.00
Killarney, Richmond, Extra	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
“ “ Ordinary .....	.50	to 3.00	1.00	to 2.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 8.00	4.00	to 6.00	4.00	to 6.00
“ “ Ordinary .....	.50	to 3.00	2.00	to 3.00	2.00	to 3.00
Maryland, Taft, Extra	4.00	to 8.00	4.00	to 5.00	4.00	to 6.00
“ “ Ordinary .....	.50	to 3.00	1.00	to 2.00	1.00	to 2.00
Russell, Sawyer	3.00	to 12.00	4.00	to 5.00	3.00	to 8.00
Cattleyas, Fancy	1.50	to 2.00	2.00	to 3.00	2.00	to 3.00
“ “ Ordinary .....	.50	to 1.00	1.00	to 1.50	1.00	to 1.50
Cattleyas	30.00	to 40.00	40.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum	4.00	to 6.00	6.00	to 8.00	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00
Asters .....	.35	to .50	1.00	to 4.00	.50	to 2.00
Gladioli	1.00	to 2.00	1.00	to 3.00	.....	to
Corn Flower .....	.....	to .50	.....	.....	.25	to .40
Chrysanthemums	6.00	to 12.50	.....	.....	10.00	to 15.00
Dahlias	1.00	to 2.00	.....	.....	1.00	to 4.00
Sweet Peas .....	.50	to 1.00	.....	.....	.35	to .50
Gardenias .....	.....	to 20.00	.....	.....	12.00	to 20.00
Adiantum .....	.75	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	12.00	to 15.00	10.00	to 12.50	.....	to 15.00
Asparagus Plumosus, Strings (100)	34.00	to 50.00	35.00	to 50.00	35.00	to 50.00
“ “ & Spreng. (100 Bchs.)	10.00	to 35.00	15.00	to 25.00	25.00	to 50.00

and violets of the season made their appearance. Carnations are increasing in numbers and include some very good blooms. Asters while still plentiful are near an end. The last gladioli, too, are coming into the wholesale houses. They are not very good. Both orchids and lily of the valley meet with a fair demand.

KNOXVILLE, TENN. Stock is a little scarce

although about enough to supply the local trade. Dahlias are good, carnations are beginning to bloom, roses rather scarce, chrysanthemums will be here in a short time. Trade is unusually good for this time of the year, and this month will show a large increase over September of last year. Local trade is sufficient to consume all stock with the exception of orchids.

Since our last report **NEW YORK** the cut flower market has had a fluctuating and unsteady career. At present writ-

ing conditions have settled down a little towards a stable basis, and prices are firmer on most specialties, due to the cold weather of the past few days, the shortening up of the product from under glass and the killing off of much of the outdoor garden stuff such as dahlias, asters, gladioli, etc. Violets are on deck once more but their status in this market for the coming season is not yet discernible to anybody. Orchids are not doing as well as they should in holding up their traditions as a high class and high price flower. Many cattleyas are moved out of the wholesale marts at prices which not many years ago would have given their growers heart disease. Carnations are improving in quality but are not yet up to standard. Cosmos is abundant. The gardenia is beginning to come out of the obscurity in which it has hidden for several months, and in fairly acceptable quality. Lily of the valley is holding its own right "in the middle of the road."

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ROSES AND CARNATIONS	Last Half of Week ending Sep. 26 1914		First Half of Week beginning Sep. 28 1914	
American Beauty, Special	20.00	to 25.00	15.00	to 30.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1	5.00	to 8.00	3.00	to 8.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary	.50	to 1.00	.50	to 1.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 5.00	4.00	to 8.00
" " Ordinary	.50	to 1.00	.50	to 2.00
Maryland, Taft, Extra	3.00	to 8.00	5.00	to 8.00
" " Ordinary	.50	to 2.00	.50	to 4.00
Russell, Sawyer	5.00	to 8.00	2.00	to 6.00
Carnations, Fancy Grade	to 1.50	1.50	to 3.00
" " Ordinary	.50	to 1.00	.50	to 1.00

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Flower Market Reports

(Continued from page 410)

Both roses and PHILADELPHIA customers suffered from the heat last week. American Beauty roses move fairly well at lower prices than last year. Most other roses seem to be in the same running, but the quality is all that could be expected at this season. A bright exception is Mrs. Charles Russell which is not only one of the most popular, but one of the few roses selling right up. Another bright spot is that popular little favorite Fire Flame of which new crop is just commencing and being taken up with avidity. Hadley, Shawyer, and Francis Scott Key are also showing up well for the early cuts. Carnations are a little better both as to quantity and quality, but buyers, while a little better satisfied, are not enthused. Orchids are better and cutting quite some figure in the market. There seem to be more of the spray varieties this year than usual. Dahlias are a little better all around and the demand is also better. Asters are still plentiful and good—long-stemmed and excellent flowers. In chrysanthemums Smith's White and Golden Glow seem to be all thus far. Bouvardia is one of the new comers.

Stock is very plentiful, of extra good quality and prices exceedingly low. This is especially so in roses; the wholesalers let you buy them at your own price in all grades except fancies and the same applies to all other flowers. Retail business is very dull. Chrysanthemums are coming fast. Golden Glow and Smith's Advance are in now, and other varieties will be coming soon. Carnation are fine, also dahlias and gladioli, lily of the valley and longiflorum lilies are the only flowers to hold up in price.

The warm days of WASHINGTON last week brought out thousands of roses, for which, there was no demand. Saturday saw a change in temperature and stocks have shortened up considerably. There is little business being done in the stores or markets, but orders are being received for many fall weddings and the future looks quite bright. There will be a marked falling off of large decorations, according to one prominent florist, on account of the war and also because of the recent death of the wife of the President. There will be few, if any, state affairs, and, of course, the presence of the President and of the diplomats of the foreign nations now at war will not be had at the social affairs of the four hundred. The season for asters in and around Washington is over, but yellow and white chrysanthemums are becoming more plentiful and are improving greatly in quality. With carnations in poor shape, although good for this season of the year, the demand for chrysanthemums is good. Dahlias are also improving in quality, although these flowers caused the growers a lot of

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New Crop Fancy Ferns \$0.75 per 1000
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Sphagnum Moss, large sack, only 40c per pound, 8c, or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00 per 1000.

Time Boxwood, \$7.50 per 50-lb. case
Order in advance.

Write, wire or telephone 13 R4.

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MISCELLANEOUS

	Last Half of Week ending Sep. 26 1914	First Half of Week beginning Sep. 28 1914
Cattleyas	15.00 to 30.00	15.00 to 25.00
Lilies, Longiflorum	4.00 to 5.00	6.00 to 8.00
" Rubrum	2.00 to 4.00	3.00 to 4.00
Lily of the Valley	4.00 to 5.00	3.00 to 4.00
Asters	.10 to .50	.10 to .50
Gladioli	1.00 to 2.00	1.00 to 2.00
Corn Flower	...	...
Chrysanthemums	8.00 to 12.00	8.00 to 20.00
Dahlias	.50 to 1.00	.50 to 1.00
Sweet Peas (per 100 bunches)	...	...
Gardenias	5.00 to 15.00	5.00 to 15.00
Adiantum	.50 to .75	.50 to .75
Smilax	8.00 to 10.00	8.00 to 10.00
Asparagus Plumosus, strings (per 100)	25.00 to 35.00	15.00 to 25.00
& Spreen (100 bunches)	15.00 to 25.00	15.00 to 25.00

worry because of the production of so many imperfect flowers and blind eyes. Catleyas are fine. The difficulty in exporting from abroad seems to have been the cause of a jump in the price of lily of the valley from \$4 to \$5.

VISITORS' REGISTER.

New York—Carl Cropp, Chicago, Ill.

So. Orange, N. J.—J. K. M. L. Farquhar, Boston; Wm. J. Stewart, Boston.

Knoxville, Tenn.—Thomas Joy, Nashville; Herman Reynold, Hillegom, Holland.

Cincinnati—Geo. Hampton, representing J. G. Neidinger, Phila.; R. E. Adgate of the McCallum Co., Pittsburgh, Pa.

Boston—Robt. Shoch, representing Rice Co., Philadelphia; John Dunbar, superintendent of parks, Rochester, N. Y.; E. O. Orpet, Lake Forest, Ill.; Harry Turner, representing Morris Nursery Co., Morrisville, Pa.

Philadelphia—Edwin A. Seidewitz, Baltimore, Md.; John Scott, Huntsville, Ala.; B. L. Elliott, Pittsburgh, Pa.; Miss M. Meinhardt, St. Louis, Mo.; W. F. Gude, Washington, D. C.; Sam Batchelor, Mamaroneck, N. Y.

Chicago—August Swanson, St. Paul, Minn.; Sam'l Murray, Kansas City, Mo.; E. J. Fancourt of Pennoek, Meehan & Co., Phila.; H. A. Barnard, with Stuart Low & Co., Enfield, England; J. A. Peterson, Cincinnati, O.; Chas. S. Pike, St. Charles, Ill.; Walter Mott, representing Benj. Hammond, Beacon, N. Y.; John Piriboom, Rotterdam, Holland; N. B. Stover, Terre Haute, Ind.; W. T. Osbourne, Rensselaer, Ind.; John S. Carter, Pres., Nicotina Manufacturing Co., St. Louis, Mo.; Beebe & Son, Vever, Ia.

aer. Ind.; John S. Carter, Pres., Nicotina Manufacturing Co., St. Louis, Mo.; Beebe & Son, Vever, Ia.

PERSONAL.

H. I. Stein is manager of the flower department of Hahne & Co., Newark, N. J.

Ernest Carl, florist, of Providence is one of the recent arrivals home from the seat of war.

Wm. Westland has left Cotuit, Mass., where he was employed by Mrs. C. H. Parker and is now with Mrs. W. Austin Wadsworth at Geneseo, New York.

Clarence Peterson and Miss Mary Critchell of Cincinnati, are to marry this week. They have the congratulations and best wishes of their many friends in the trade.

L. Merton Gage, formerly of the firm of Chamberlain & Gage, has established himself in Natick, Mass., as a grower and dealer in high class gladioli. He has purchased from the old firm the famous pink seedling which has now been named Mrs. Dr. Norton and will be disseminated by him two or three years hence.

A bowling club is about to be formed with employees of the five wholesale houses in St. Louis and weekly matches will be rolled.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

ARACARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

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For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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"	3 in.	"	20.00
"	4 in.	"	35.00
"	5 in.	"	50.00
Cincinnati,	2 1/4 in.	"	15.00
"	3 in.	"	25.00
"	4 in.	"	40.00
"	5 in.	"	60.00

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Send for Canna book
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

Cyclamen from 3 1/4 in. pots, \$15.00 per 100; 4 in., \$25.00 per 100; 5 in., \$50.00 per 100. Finest strain, separate colors.
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

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For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats.
For page see List of Advertisers.

For List of Advertisers See Page 479

FERNS—Continued

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechsli, River Forest, Ill.
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

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E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

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Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

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Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

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White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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I am headquarters for pure stock of this grand pink gladiolus. Write for quotations on all sizes. Also planting stock of Chicago White Glory, Maryland Snow-bank, The King, etc. Prices right.
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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A. T. Stearns Lumber Co., Neponset,
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Stearns Cypress.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

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King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HOT HOUSE GRAPES

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

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200,000 in 225 varieties from \$1.00 per
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English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES PROST, Kenilworth, N. J.

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Joseph Hancock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Dept. J., Baltimore, Md.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILIUM FORMOSUM

Yokohama Nursery Co., Ltd.,
New York City.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Lilium Formosum and others.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteuma.
For page see List of Advertisers.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.
Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphne Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

PANSY SEED

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.
For page see List of Advertisers.

PEONIES

W. L. Gumm, Remington, Ind.
For page see List of Advertisers.

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Gold Medal Peonies.

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

PECKY CYPRESS BENCHES

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For page see List of Advertisers.

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PHLOX—Mrs. Jenkins (the best white) \$3.00 per 100. We need the room and have 20,000 surplus. AMON HEIGHTS NURSERIES, Camden, N. J.

Surplus Hardy Phloxes, named sorts mixed, to make room, \$12.00 per thousand. W. F. SCHMEISKE, Hospital Station, Binghamton, N. Y.

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Phoenix Canariensis, fine large plants. \$7.50-\$35.00 each.

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company, N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

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Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

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For page see List of Advertisers.

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PRIMULA Obconica grandiflora and gigantea Appleblossom, Rosea and Kermesina, 4-in. large plants, \$10.00 per 100, \$95.00 per 1000. Also 200 Cyclamen giganteum, mixed varieties, \$20.00 per 100. Cash with order, please. AUGUST SCHREIBER, 76 N. Main St., Hornell, N. Y.

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P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

ROSES—Continued

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

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THE CONARD & JONES COMPANY, West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association, San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

Hjalmar Hartmann & Co., Copenhagen, Denmark.
Loechner & Co., New York City.

SEEDS

Carter's Tested Seeds, Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

For List of Advertisers See Page 479

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

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Live Sphagnum moss, orchid peat and orchid basket always on hand. **LAGER & HURRELL**, Summit, N. J.

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Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. **JULIUS ROEHR'S CO.**, Rutherford, N. J.

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For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphiae Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. **HOLTON & HUNKEL CO.**, Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued**Montreal**

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**BERBERIS THUNBERGII.**

Old Town Nurseries, M. P. Haendler, Pl. p.
So. Natick, Mass.
For page see List of Advertisers.

BERMUDA ONION SEED.

Federico C. Varela, Tancate
Canary Islands
For page see List of Advertisers.

FALL BULBS.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

ROSE IRISH FIRE FLAME.

The Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—First-class man to take charge of sales end of a nursery in Alberta, Canada. Address "Beaver," care HORTICULTURE PUBLISHING CO., Boston.

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SITUATION WANTED—A young man 32, with private estate experience and two years' agricultural college training, wishes a position as an assistant, manager or gardener on an estate. Earning \$60 and found now as a gardener, but wishes to change on account of getting married. Address "A," care of HORTICULTURE, Boston, Mass.

YOUNG MAN experienced in the greenhouse business, seeks a position in charge of a small place. Will accept commissions on result of his work as part of pay. Address "S," care HORTICULTURE.

Miss Agri. College graduate seeks a position in greenhouse work. Experienced in carnations, 'mums and pot plants. Address "G," care HORTICULTURE.

SITUATION WANTED—Experienced, sober and reliable greenhouse man wants position as greenhouse fireman. "H. J.," care HORTICULTURE.

WANTED—Head Gardener's or Superintendent's position. Northern and Southern experience in all branches; best of references. **W. D. NICKERSON**, 116 Putman St., Quincy, Mass.

FOR SALE**BOILER FOR SALE**

No. 14 Coatsville Heating Boiler; cast iron base, steel plate fire box. Capacity 4,000 sq. ft. direct steam radiation; 6,000 sq. ft. hot water. Been used but little; removed to place a larger size. Requires no brick work; can be placed in position and connected up as simply as a kitchen range. Length, 12 ft.; width, 38 inches; height, 63 inches. 41, 3-in. direct tubes; 21, 3-in. return tubes. Address "C. W.," care HORTICULTURE.

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CARNATION ESTABLISHMENT, mid-way between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M.," care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **FAB-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

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The Benefit
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War Prices

In writing to Advertisers kindly mention Horticulture

ADAPTATION OF PLANTS TO SOILS.

A paper by George E. Stone, Ph. D., Prof. of Botany, Mass. Agricultural College, and Physiologist and Pathologist of Mass. Agricultural Experiment Station. Read before S. A. F. at Boston.

As previously stated, the chemical processes in soils are extremely complex and what may prove beneficial as a fertilizer in one soil may not in another; therefore many of the fertilizer experiments conducted here and there are contradictory. It is often possible to grow good crops with fertilizers for a few years, but later it becomes impossible to grow the same crops successfully in these soils, indicating that some change of an injurious nature has taken place.

During the past decade various troubles arising from soil toxicity or overfeeding, resulting in a malformed crop, have been on the increase both in the greenhouse and in the field. The symptoms of mal-nutrition differ in different species of plants. Sometimes the roots are burned off owing to the presence of an excess of some caustic substance, but more commonly the leaves and stems are affected, the leaves becoming abnormally colored or they may become more or less contorted owing to the unequal development of the tissues of the leaves. Occasionally blisters are formed, and often wilting and dying of the edges of the leaf occurs. Mal-nutrition arises from the improper use of fertilizers and manures and is more commonly met with in greenhouses than elsewhere, cucumbers being one of the most susceptible plants to this trouble. The use of nitrate of soda, pig, hen and sheep manure, and occasionally strong cow and horse manure, accounts for most of this trouble.

Mr. H. D. Haskins,* who has made many chemical analyses of greenhouse soils with special reference to mal-nutrition, has found that in some cases where mal-nutrition was common there was considerably more nitrogen and phosphoric acid in the soils than in the best barnyard manure. The average analysis of some abnormal soils which produced symptoms of mal-nutrition to cucumbers, showed them to contain as high as 27,363 pounds of total water soluble salines per acre as compared with 7,520 pounds per acre in normal soils. He found that the soluble nitrogen was 1,156 pounds in the abnormal soils as compared with 444 pounds for the normal, while the potash was 6,743 pounds for the abnormal soils against 1,328 for the normal. The soluble phosphoric acid was 632 pounds for the abnormal soils as compared with 208 pounds for the normal, which shows a marked excess in the water soluble salines in the abnormal soils. Mr. Haskins' calculations show that to furnish this amount of nitrogen it

would require the application of $14\frac{1}{2}$ tons of a formula testing 4 per cent. nitrogen, 23 per cent. actual potash and 2.25 per cent. available phosphoric acid per acre.

From these observations on mal-nutrition, which is constantly on the increase, we cannot too strongly advise florists to go very slowly in their use of fertilizers or special manures on their crops. The practice of changing the soil each year obviates this trouble to a great extent; although such crops as lettuce can be grown in the same soil for years without change when decomposed horse manure is applied each year. Cucumbers and tomatoes, however, need an occasional change of soil to bring them to their highest perfection, while the high feeding usually given to carnations and roses renders the soil ill adapted to constant use. In one case where we grew American Beauty Roses in a soil composed of one-third loam, one-third pulverized sod and one-third fresh cow manure, together with the weekly use of liquid cow manure, we found it impossible to employ the soil the second year. When a new rose crop was planted the roots were abnormal from the beginning and died; but when the soil was washed out thoroughly it was found to contain innumerable toxic substances and no further death of the plants occurred. Market gardeners have found, and their observations have been borne out by experiments, that decomposed horse manure constitutes the best manure for their crops, and when commercial fertilizers are employed soil trouble may invariably be looked for. When we know more about the complex condition of the soils and the plant's requirements we may be able to make more extensive use of commercial fertilizers and special manures; but at the present time greenhouse managers must experiment cautiously.

To conclude, we may say that the highest conception of intensive agriculture has been realized by florists and market gardeners; and one reason why they do not receive more help from the experiment station is because their knowledge of plants and skill in handling them far exceed that of the men devoting their time to scientific research. When these workers begin to realize the great degree of skill possessed by the florists and market gardeners perhaps they may be able to suggest some ideas that will be of value.

* Mass. Agri. Exp. Sta., 25th Ann. Report, Pt. II 1913, p. 71.

PUBLICATIONS RECEIVED.

The Annual Report of the Wisconsin State Horticultural Society, a bound volume of 140 pages, is received. It is a carefully compiled and useful book, well illustrated, and as the membership dues are but fifty cents a year, every man and woman

BAILEY'S NEW STANDARD Cyclopaedia of Horticulture

Six large quarto volumes. More than 3,600 pages. 24 exquisite full-page color plates. 96 full-page sepia halftones and more than 4,000 text engravings. 500 collaborators. Approximately 4,000 genera, 15,000 species and 40,000 plant names.

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HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

in the state should be a member. A "black list" of shrubs tested at the grounds of the experiment station at Madison and found unsatisfactory, looks to us very disheartening. We should almost hesitate about living in a climate where we could not have azaleas, daphnes, forsythias, deutzias, and other favorites in our garden, but there are other good things that are recommended as all right and no doubt Wisconsin is a fine place to live in.

Three bulletins dealing with orchard problems are Nos. 383, 387 and 388 of the New York Agricultural Experiment Station, Geneva. The first of these presents what is probably the final word of the Station on the tillage and sod-mulch discussion; the second announces methods by which the pear psylla has been successfully controlled by many orchardists; and the third discusses those little known but most interesting insects, the tree crickets. Any or all of these bulletins may be secured without cost by a request sent to the Station.

We learn from the bulletin of the Mt. Hermon School, department of agriculture, Mt. Hermon, Mass., that more than 150,000 fine seedlings have been planted on the school hillside. Fruit growing, harvesting and marketing and the care of lawns, shrubbery and forest, also vegetable gardening, outside and under glass are important courses in the regular instruction.

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1,111,539. Soil Pulverizer. Florian Jozsiban, Maurer, N. Y.

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LIQUID — "NICO-FUME" — PAPER

THRIPS, - APHIS

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NIKOTEEN 30 Per Cent Strength **For Spraying**

APHIS PUNK For Fumigating

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Destroys Worms, Ants, etc., infesting Golf, Cricket Grounds, Parks and Lawns. Sure death to Snails. Does not injure Grass; causes the insects to come to the surface to die. (Must not come in contact with fine plants.)

One gallon Kil-Worm makes 50 gallons liquid when mixed with water.

1 qt., \$1.00; ½ gal., \$1.75; 1 gal., \$3.00; 5 gals., \$13.50.

POISON KIL - WEED POISON

A scientific Weed Destroyer—free from odor. An unsurpassed preparation for the removal of Grass, Weeds, Vines and Bushes from paths, etc. Saves expense of several men; can be applied with an ordinary sprinkling can.

One gallon Kil-Weed makes 30 to 35 gallons liquid when mixed with water. 1 qt., 35c.; ½ gal., 60c.; 1 gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; 1 barrel, per gal., 65c.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every pkg.; write for circular.

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

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Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**



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SOAP SPRAY

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Is the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil, and is giving satisfactory results wherever used. Our Compost, composed of manures rotted together from six to eight years, we ship in car lots at 60 cts. per ton f. o. b. Chicago. We sell all kinds of Manures in car lots.

FARMERS AND FLORISTS FERTILIZER CO.

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are favoring 40% Nicotine solutions in their recommendations for fumigating and spraying.

To meet the demand this has created we now offer

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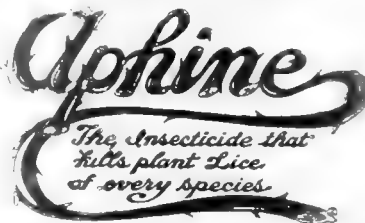
\$13.00 Gallon—\$3.75 Quart—\$2.00 Pint

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A 12% Nicotine solution properly diluted for vaporizing and fumigating.

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The Recognized Standard Insecticide For green, black, white fly, red spider, thrips, mealy bug and soft scale. Can be used on tender plants.

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For mildew, rust and other blights. It is perfectly safe to apply to fruits and vegetables, as it is non-poisonous. An infallible remedy for rose mildew, carnation and chrysanthemum rust.

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For eel, cut and wire worms working in the soil. It can be applied to all vegetation.

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For San Jose, Oyster Shell and all scale on trees and hardy stock. An effective remedy for red spider on evergreens.

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Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

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Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
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LONG ISLAND CITY, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
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Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Obituary**George Rauchert.**

George Rauchert, a florist living at 11 East 125th street, New York, died suddenly from a stroke of apoplexy while walking on Ziedler avenue, Maspeth, on Sunday, September 13. He was 53 years of age.

Marshall F. Ewell.

Marshall F. Ewell died on September 23 at his home in Marshfield Hills, Mass. Mr. Ewell was a successful market gardener and gained wide prominence as the originator of the famous Marshall strawberry.

John Burr.

John Burr, engaged in the florist business in Freeport, Me., for over half a century, died at his home in that city on September 21, aged 78 years. Mr. Burr had charge of the flower beds on the Maine Central R. R. He leaves a widow one son and three daughters.

Wilfred A. Brotherton.

Wilfred A. Brotherton of Rochester, Mich., member of the Detroit Institute of Science and a collector of wild flowers, whose knowledge of the plants of this region was exceeded by that of few, if any, persons in Michigan, died Sunday, Sept. 20, in Harper hospital, Detroit, after suffering for several weeks from catarrhal jaundice.

Mr. Brotherton spent practically all of his life in Rochester. He planted the flowers and shrubbery which surrounded the Michigan building at the World's Fair. He was 56 years old.

Sole ownership in the Maryland Agricultural College is now vested in the State of Maryland following its sale by public auction for \$19,000. The State authorities have long been trying to obtain full control over this college and its inability to do so is said to have been the cause for the unwillingness of its legislature to make usual appropriations. The college was founded as a private institution and its stockholders contributed nearly \$50,000 as a gift to the State.

Some of the stockholders were loath to relinquish their holdings, but an agreement was reached which resulted in its sale.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Roseville, Md.—Frank Michael, one house.

Marion, Mass.—John Allanach, one house.

Raspberg, Md.—John P. Wilhelm, one house.

Carthage, Mo.—Stephen Hyde, house 60x350.

Fargo, N. D.—Shotwell Floral Co., additions.

West Acton, Mass.—Samuel Carlisle one house.

Philadelphia—Louis Burk, conservatory, 18x80.

Beatrice, Neb.—Dole Floral Co house 32x110.

South Hyannis, Mass. Robert Murray, one house.

Rushville, N. Y.—A. N. Twitchell, vegetable house.

Rutland, Vt.—S. A. Baker, 117 Park street, one house.

Steubenville, O.—George Huscroft, rose house, 40x120.

Chalfont, Pa.—Chalfont Cut Flower Co., King house 35x125.

Patchogue, N. Y.—Henry Morley, Silver street, house 40x100.

Allentown, Pa.—Phoenix Silk Co., Turner street, one house.

Blair, Neb.—Rodgers & Pieper, Blair Floral Co., 70 ft. addition.

Philadelphia, Pa.—F. Schlichter, 3836 Frankford avenue, house 18x75.

Baltimore, Md.—John P. Willheim, Belair Road, carnation house, 30x200.

NEW CORPORATIONS.

Dansville, N. Y.—Pomona Ten Cent Nurseries, H. A. Burdick, capital stock, \$5,000.

Nowata, Okla.—Nowata Seed Company, capital stock, \$1,500. Incorporators, A. C. McComis, D. D. Howell and E. R. Chesman.

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per crate:					
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1500	2 " "	4.88	456	4 1/2 " "	5.24
1500	2 1/4 " "	5.25	320	5 " "	4.51
1500	2 1/2 " "	6.00	210	5 1/2 " "	3.78
1000	3 " "	5.00	144	6 " "	3.16
800	3 1/2 " "	5.80	120	7 " "	4.20
			60	8 " "	3.00

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OUR SPECIALTY—Long Distance and Trade Export



The best **PAPER POT** for shipping purposes. Sizes from 2 in. to 6 in.

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Waltham, Mass.

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POTS**

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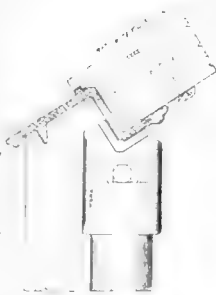
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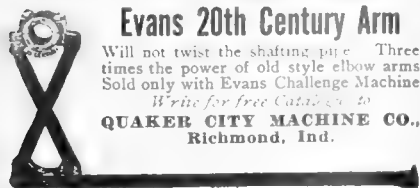
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Factory to User Prices

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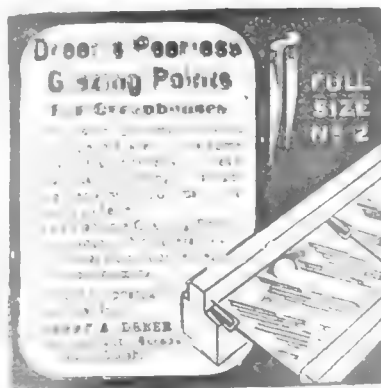
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As a splendid example of recent gable construction the 80x600 "footer," completed this Spring for "The MacAlpin Boys," at Exeter, N. H., is well worth looking into.

The limit of our space does not allow us to describe the gable in detail here, but if you will look up our page ad. in *Florists' Exchange* of August 29th, you will get the full facts and figures.

If you don't take the *Exchange*, drop us a postal and we will gladly send you a proof of the Ad.

If you want a safe and sure house and are ready to talk it over—say when and where and we'll be there.



The two main gable rafters in the 80 foot MacAlpin house have steel angles bolted on each side to stiffen and strengthen them. The angle purlins are bolted direct to the angle stiffeners.



The other gable rafters are plain flat bar steel, to which the purlins are bolted by angle knees. The cypress bars are bolted (not screwed) to the purlins, and separated from them by steel spacers.

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Vol. XX
No. 15
OCT. 10
1914

HORTICULTURE



Successful Transplanting of Large Shade Trees

Published Every Saturday at 11 Hamilton Place, Boston, Mass.
Subscription, \$1.00.

Two Valuable Ferns

Asplenium Nidus Avis— The Bird's-Nest Fern And Cibotium Schiedei— The Mexican Tree Fern

Having a larger stock of these two useful good selling varieties than we can conveniently find room for we are offering the sizes noted below at special prices to close out quickly. This is a prime lot of perfectly healthy plants in the best possible shape.

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2½-inch pots..\$1.50 per dozen; \$10.00 per 100; \$ 90.00 per 1000
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Cibotium Schiedei

3-inch pots, fine single crowns...\$3.50 per doz.; \$25.00 per 100
5-inch pots, double and triple.... 6.00 per doz.; 50.00 per 100

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Another valuable decorative Fern of recent introduction.

4-inch pots.....\$2.00 per dozen; \$15.00 per 100
6-inch pots..... 4.50 per dozen; 35.00 per 100



Asplenium Nidus Avis. Bird's Nest Fern.

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LILY OF THE VALLEY PIPS
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LIST OF ADVERTISERS

Page	Page	Page	Page	Page	Page
Advance Co.539	Clarke's, D. Sons524	Graham, Adam & Son524	Lemon Oil Co.537	Pierson, F. R. Co.519-525	Smith & Hemenway Co.530
Albany Cut Flower Ex. ....530	Conine, F. E. Nursery Co. ....512	Gude Bros. Co. ....525	Leonard Seed Co. ....523	Plant Food Co. ....537	Smith, W. & T. Nursery Co. ....510
Allen, J. K. ....539	Cowee, W. J. ....528	Gumm, W. L. ....521	Loechner & Co. ....511	20th Century. ....537	Smyth, Wm. J. ....524
Anderson, S. A. ....525	Craig, Robt. Co. ....512	Haendler, M. P. ....518	Lutton, W. H. ....539	Plantlife Co. ....537	Stamford Seed & Nursery Co. ....523-525
Aphine Mfg. Co. ....537	Critchell, C. E. ....528	Hail Association. ....539	May & Co., L. L. ....525	Poehlmann Bros. ....528	Storrs & Harri-son .....512
Aschmann, G. ....512	Crowl Fern Co. ....531	Hall & Robinson. ....525	McCarthy, N. F. & Co. ....528	Quaker City Machine Co. ....538	Stumpp, G. E. M. ....524
Asmus, Geo. ....526	Dards .....524	Hart, Geo. B. ....530	McConnell, Alex. ....524	Stump & Wal-ter Co. ....519-537	Thorburn, J. M. & Co. ....522
Ayres Co., S. Bryson .....523	Davenport, A. M. ....512	Henderson, A. & Co. ....512	McCullum Co. ....531	Thornburn, J. M. & Co. ....522	Tranquilly, A. Schenck .....530
Badgley, Reidel & Meyer .....530	Dorner, F. & Sons Co. ....512	Hess & Swoboda. ....524	McManus, Jas. ....530	Valentine, J. A. ....524	Varela, Federico. ....523
Barrie, Geo. N. ....539	Dreer, H. A. ....510-538-539	Hicks, A. H. & Co. ....538	Meyer, John C. Co. ....537	Varela, James Sons .....523	Vincent, R. Jr. & Sons Co. ....511
Barrows & Son. ....512	Dunlop, John H. ....525	Hicks, Isaac & Son .....519	Meyer, Chas. F. ....511	Wants, For Sale. ....535	Ward, R. M. & Co. ....512
Bayersdorfer, H. & Co. ....527	Dysart, R. ....531	Hilfinger Bros. ....538	Michell's Seed House .....522	Ward, R. M. & Co. ....512	Warendorff, A. ....524
Bay State Nurseries .....510	Eastern Chemical Co. ....537	Hill, E. G. Co. ....528	Michigan Cut Flower Ex. ....528	Ward, R. M. & Co. ....512	Weber, F. C. ....525
Bobbink & Atkins .....510	Edwards, Folding Box Co. ....528	Hitchings & Co. ....540	Millang, Chas. ....530	Ward, R. M. & Co. ....512	Welch Bros. ....528
Boddington, A. T. ....521	Elliott, Wm. & Sons .....538	Holland Nurseries .....521	Montreal Floral Exchange .....530	Ward, R. M. & Co. ....512	Whittier & Co. W. B. ....510
Bolgiano & Son, J. ....523	Ernest, W. H. ....538	Holm & Olson. ....524	Moore, Hentz & Nash .....523	Ward, R. M. & Co. ....512	Wood Bros. ....512
Boston Florist Letter Co. ....528	Esler, J. G. ....539	Irwin, R. J. ....512	Murray, Samuel. ....524	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
Braslan Seed Growers Co. ....523	Eyres .....525	Jacobs, S. & Sons .....539	National Nurseryman .....510	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
Breck, J. & Sons. ....523	Farmers and Florists Fertilizer Co. ....537	Kasting, W. F. Co. ....528	Nicotine Mfg. Co. ....537	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
Breitmeyer's, J. Sons .....524	Farquhar, R. & J. & Co. ....520	Keller, J. B. Sons .....524	Niessen, Leo. ....528	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
Bryan, Alonzo J. ....512	Fisher, Peter. ....512	Keller, J. M. Co. ....512	Oechslin, Ernest. ....512	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
Burpee, W. A. & Co. ....523	Foley Mfg. Co. ....539	Kentucky Tobacco Product Co. ....537	Old Town Nurseries .....518	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
California Seed Growers' Asso. ....523	Ford, M. C. ....530	Kervan Co. ....530	Onwerkerk, P. ....521	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
Carter's Tested Seeds, Inc. ....523	Ford, W. P. ....530	King Construction Co. ....538	Palmer, W. J. & Son .....524	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
Childs, John Lewis .....523	Fottler, Fiske, Rawson Co. ....523	Komada Bros. ....527	Park Floral Co. ....524	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
	Framingham Nurseries .....510	Kramer, F. H. ....525	Parshelsky Bros. ....538	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
	Froment, H. E. ....530	Kroeschell Bros. ....539	Peirce, E. Allan. ....538	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
	Galvin, Thos. F. ....525	Kuebler, W. H. ....530	Pennock-Meehan Co. ....529	Ward, R. M. & Co. ....512	Woodruff, S. D. & Sons .....523
	Gasser Co., J. M.525	Lager & Hurrell.521	Pierce, F. O.538	Ward, R. M. & Co.512	Woodruff, S. D. & Sons523
			Pierson, A. N.512	Ward, R. M. & Co.512	Woodruff, S. D. & Sons523

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be promptly received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the editor of HORTICULTURE.

Ardisia crenulata

There are quite a few berried plants useful for the Christmas trade and one of the best is *Ardisia crenulata*. The plants should be elevated so that they can get all possible light and plenty of ventilation. The absolute maximum of temperature should be 58 at night and 55 degrees later on. Give plenty of fresh air. A careless hand at watering will quickly do lots of damage among them. Examine each pot carefully and only apply water where it is really needed. Any excess will cause loss of foliage even more quickly than an insufficient supply. In applying stimulants also use great care, for too much speedily causes a yellowing of the leaves. Soot water will color up plants with pale foliage. Any plants which do not now have berries well colored should be given a sunny place in a warm house, and an occasional syringing will keep them clean. Do not crowd them. See that they have plenty of room.

Poinsettias for Pans

Pans made up now will have plenty of time to grow into fine stock. Drain the pans well and use a friable loam with well-rotted cow manure added. Be careful not to break the small balls as this will mean a loss of foliage. Some small *Cyperus alternifolius*, ferns, *Asparagus Sprengeri* or *A. plumosus* used among the poinsettias will improve the appearance and increases the value of the pans and will help to conceal stems which have lost their foliage. Water with increasing care. Too much or too little means a loss of foliage. A really warm house is not yet necessary; 55 degrees at night is ample and in such a temperature the plants will be stocky. When the bracts show, 5 degrees higher at night can be given. Give ventilation with care, as they will not stand cold drafts.

Pandanus Veitchii

There are always some unsightly plants with a number of side shoots which will make fine material to increase stock. Do not take these suckers off too soon; let them gain size and substance first. It is always better to take them off with a "heel." Place them in a warm prop-

agator, and keep them in heat. Keep them shaded and moist and when they have made roots about half an inch long they will be ready to pot. Use fibrous loam three parts, leaf mold two parts and sand one part. Pot into 3-inch pots with good drainage. Keep in a night temperature of 65 degrees.

Preparing Fields for Next Year

It is a good plan to have all fields manured and plowed during the fall, which will leave less work to do in the spring. Do not forget to restore some organic and mineral matter that has been taken up with the previous crop. For this there is nothing better than a liberal dressing of barnyard manure. By plowing in the fall you leave the soil exposed to the freezing and thawing through the whole winter, which helps to free the soil from all soggy and acidity and leaves it in a finely pulverized state. Where you have plenty of land you can let the worn out fields go into grass which will help to reclaim their fertility, but if the area is limited there is nothing better for the land than sub-soiling with a sub-soil plow. Where this cannot be done a thorough trenching will help.

Manure for Winter

Make it an aim to have a good lot of manure hauled and placed under cover where it can be kept in a dry condition. Good growers agree that well-rotted barnyard manure should have first place above all fertilizers in growing our many crops inside. Should there be some difficulty in procuring it in a sufficiently decomposed condition for immediate use, lay in some fresh manure and this can be forked over and over until the decomposition has put it in proper condition for use later on.

Potting Evergreens for Winter

There will be quite a demand for potted evergreens for the holiday trade. They can be potted up now and will be in good condition at that time. Give them a shady place for about a week, after which they will bear full sun. Well-balanced little trees can be obtained from any of the nursery farms advertising in HORTICULTURE.

Mr. Farrell's next notes will be on the following: *Asparagus Sprengeri*, *A. plumosus*, *Carnations*; *Orchids*; *Sowing Stocks*.

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by advertising your goods in the
Horticulture

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by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—Successful Transplanting of Large Shade Trees	
NOTES ON CULTURE OF FLORISTS' STOCK— <i>Ardisia crenulata</i> — <i>Poinsettias</i> for Pans— <i>Pandanus Veitchii</i> —Preparing Fields for Next Year—Manure for Winter—Potting Evergreens for Winter— <i>John J. M. Farrell</i>	513
VITEX AGNUS-CASTUS— <i>Hubert M. Canning</i>	515
CONVENTION GARDEN NOTES— <i>K. Finlayson</i>	515
CLUBS AND SOCIETIES:	
Florists' Club of Philadelphia—Albany Florists' Club—American Carnation Society—Horticultural Society of New York—Club and Society Notes.....	516
Award of the White Medal of Honor.....	517
Truckers' Convention	536
DURING RECESS—Rochester Florists—Illustrated...	518
SEED TRADE—The European Situation—Domestic Seed Crops—Vine Seeds and Beans.....	520
Bean Prices for 1915—Bulbs of High Degree—British Seeds—Chicago Seed Notes.....	522
OF INTEREST TO RETAIL FLORISTS—Florists' Telegraph Delivery Association—New Flower Stores	524
Flowers by Telegraph	525
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, New York.....	529
Philadelphia, St. Louis, Washington	531
OBITUARY—George T. Hodges—Luke Mahon—Joseph Cincotte—Jesse Bell	527
MISCELLANEOUS:	
Gladiolus Golden King.....	515
Topsfield Notes	517
Catalogues Received	518
Soldiers of the Golden Plume, Poetry.....	517
News Notes	525
Boston Notes—Cincinnati Notes.....	526
Chicago Notes—Washington Notes	526
Business Troubles	526
Philadelphia Notes—Visitors' Register.....	527
St. Louis Notes.....	531
Massachusetts Agricultural College Notes	536
Moving Big Trees.....	536
Greenhouses Building or Contemplated.....	538
Patents Granted	538

of horticulture. Mark the man whose whole being is wrapped up in his plants—who is in the work, not alone as a purely commercial undertaking but because he is truly heart and soul in love with it and you will find him in the front rank, a recognized leader in his chosen field. Of such sterling material are our Dawsons, Craigs, Walsh's, Cooks, Burpees, Mandas and scores of others whose names come to mind, men "to the manner born," in whose make-up unquenchable ardor and enthusiasm are the dominant factors. We cannot have too many of such.

More than
holding its own

We are pleased to receive news of a more hopeful aspect in the various wholesale flower centres. The cheering feature of the situation is not simply that sales are livelier and prices better but that, upon the coming of a brief cold spell and a touch of Jack Frost, the market responds at once with a jump. This shows plainly that the "weary flat state and unprofitable" market which has figured so often in our weekly reports of late is not entirely a reflection of the business uncertainty and financial stress of which large commercial interests have been complaining for months, but is rather chargeable to the ordinary class of local and temporary vicissitudes of weather and crop with which the flower trade has long been familiar. Considering the largely increased production, due to the remarkable and uninterrupted growth of the flower producing industry and the steady influx of capital indicated by our weekly records of greenhouse building, the healthy stability of the flower business in these disjointed times is really wonderful to contemplate. And it is not unreasonable to conclude that a business which shows such virility at such a time must be well across the line between luxury and indispensability.

Much experimenting has been indulged in and many promising leads have been followed to an unsatisfactory outcome, in the effort to find a stock on which to graft forcing roses, which should rival or excel the universally used Manetti, but that old standby still holds the field against all comers. Next to the search for a substitute has been the endeavor to make commercial Manetti growing a paying proposition in this country. There seems to be no question but that Manetti stock of equal if not better quality than the European product can be grown here. It is argued by some that the greater amount of sunlight here makes the Manetti wood too hard. Good growers whom we have consulted, however, say that they have tried home-grown Manetti on a fair scale and found the wood in no way inferior to the best imported. The question, which has come to the front with the general import issue at the present time, resolves itself simply into one of cost. It is the opinion of those growers whom we have consulted that without some radical reduction in the standard of wages and other conditions here or a corresponding advance in same abroad, it will not pay to try to grow Manetti in America in competition with the stock from Europe. Yet they may be mistaken about that.

The key
to success

"Enthusiasm should run riot in this business to make it the success it should be," says Mr. Finlayson in his notes on the Convention Garden in this issue. No truer words were ever spoken concerning every branch

Vitex Agnus-castus

One of our best small trees for late flowering is to be found in *Vitex Agnus-castus*, the Chaste-tree, or Monk's Pepper-tree. While it is not quite hardy north it will be found an excellent plant for locations near Philadelphia and Baltimore.

The *Vitex* is a native of Southern Europe from whence it was introduced into England in 1670 and has since found its way to this country where it may sometimes be found in nurseries whose collection is varied. It forms a large shrub or small tree with wide-spreading branches and foliage which suggests, possibly, bamboo. The foliage is borne on long petioles and is mostly five-foliate. The leaflets are mostly entire or very finely serrate and whitish beneath.

The flowers of the Chaste-tree are lilac or violet purple in color and are borne in a terminal or axillary panicle from July to September. The individual flowers of the panicle are formed in cymes, subsessile, and in glomerate whorls giving a distinctive appearance to the plant.

Vitex incisa, a native of north China, will be found to be a substitute for *V. Agnes-castus* in the colder northern latitudes and is also a late bloomer. It is at present flowering in the Arnold Arboretum. This shrub has been found to kill back from the cold winters, but the damage done is so slight as to become unnoticeable, as the plant soon makes up for it and appears benefited by this natural pruning. *Vitex incisa* is not as showy as its warmer-blooded relative but is, nevertheless, a valuable addition to a garden or shrub planting.

The *Vitex* loves a rather dry and sunny situation and when so placed they seem to thrive with very little care. A little peat added to the soil is good for them. To propagate the best method is to place cuttings in a similar soil under glass in the autumn.

An agreeable aromatic odor is exhaled from all parts of the *Vitex* when bruised or crushed. In England, where protected, *Vitex Agnus-castus* is often employed as a wall plant with great success as it gives an effect not unlike wistaria but more striking on account of its spike-shaped flowers which stand out well away from the wall and do not droop.

Hubert H. Canning

Jamaica Plain, Mass.

GLADIOLUS GOLDEN KING.

This new yellow seedling was offered for sale for the first time in 1913. It has been well distributed and tested and has already won a certificate of merit in Europe and prizes and distinction in America.

Golden King resembles its parent, Golden Queen, but is much larger in flower and habit of growth. The color is a bright glistening yellow with a striking crimson blotch in the throat. Many good judges say that the dark

center makes the flower more beautiful than if it were all yellow. Golden King produces a large spike from mature bulbs and from 21 to 23 flowers are common. From six to eight of these are often open at one time. The flowers are large, round and broadly expanded and are well arranged on a strong spike.

Golden King is inclined to develop crooked stems during extremely warm weather, but many growers think that this is an advantage for display and decoration. If straight stems are de-

Convention Garden Notes

Editor HORTICULTURE:

Dear Sir: I thought it wouldn't be amiss to pen a few impressions as brought home to myself as to the merits of some of the exhibits in the Convention Garden, and under my personal care.

In this note I will confine myself briefly to the cannas, and the splendid display they have made. Ever since the latter end of the last week in August up to the 26th of September when an unusual cold snap destroyed their luster, they were simply grand, 75 to 80 per cent better than at convention time. What may be said of the cannas can be said of many other exhibits as to superior excellence after convention time, though the percentage could not justifiably be put so high as in the case of the cannas. In this connection and in another note which I fear would unduly lengthen this note I will describe briefly some of those varieties that impressed me as being A1 in their respective characteristics. In this way I may render a service to my professional brethren and others, in putting them on the track of good material should they yet not be acquainted with these. I am not unmindful, however, that tastes differ, and it is well thus—otherwise there would be a terrible if not a hideous sameness.

The public, as well as professional gardeners, have repeatedly declared to me that they have never seen any better or as good flowering cannas before, and I must say that they impressed me more than favorably as being eminently fitted for floral landscape decoration purposes. In large masses of self colors there are few subjects that surpass them for effective coloration schemes, provided the better kinds are employed. I cannot conceive of a more effective means of advertising goods of this nature than the "Convention Garden," inasmuch as it is under the public-eye inspection for a length of time, where merits or demerits, as the case may be, can be plainly beheld. Certainly, no catalogue or magazine advertisement, however adroitly or captivantly put together, can stimulate the desire to possess like the visual advertisement—that is, when you can see by your own two eyes that which you like best. Hence I wonder myself that so few participated in these exhibits. Enthusiasm should run riot in this business to make it the success it should be. I am perfectly satisfied by what has come under my observation that the participants in those exhibits must necessarily directly or indirectly benefit pecuniarily for their labors.

I am pleased to say that all classes of men and women have expressed themselves with much pleasure at what has been accomplished in this garden in so short a time, and without exception, trust that the Convention Garden will be kept as a permanent feature for Bostonians.

H. D. Imbison

ared, the crooked one may be broken off when one of the lateral branches will usually develop a straight stem with large flowers.

There are very few varieties indeed, that are as vigorous in growth as Golden King and small bulbs will throw a large flower spike and bulbets flower freely the first year if planted early.

Golden King was originated and introduced by G. D. Black & Co., Independence, Iowa.

CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

George Burton was elected president of this, the oldest Florists' Club in America, at its annual meeting held on the 6th inst., succeeding J. Otto Thilow, who had the unusual honor of having held the office for two successive terms. In relinquishing the gavel to Mr. Burton, Mr. Thilow made one of the most touching and inspiring speeches—in fact (as that past-master in eloquence Robert Craig confided to us after the meeting)—it was a real burst of eloquence and one of the finest things we have heard in many a moon. John C. Gracey was elected vice-president.

"But like King Ahasuerus I would reign,
And I would rule as he did—
I'd brook no rival to my lovely soul,
No rival on my throne!"

This well deserved compliment to our good friend Mr. Gracey will, we feel sure, be the means of bringing again within the wide all-sheltering arms of the mother, those foolish seceders who deserted the home nest without rhyme or reason. The Florists' Club is big enough and broad enough to embrace all branches of the business. The secretary and treasurer were re-elected. Mr. Thilow gave an account of his recent trip to California which was listened to with much interest. Reports for the year, financial and otherwise, were read and approved. The club has grown a little—and the little is perhaps better than a big growth of evanescent character.

ALBANY FLORISTS' CLUB.

The monthly meeting of this Club was held on Thursday, Oct. 1st, at the Albany Cut Flower Exchange. L. H. Schaefer asked for another month to settle up flower show report.

On motion of Thos. Tracey it was voted to have debates and essays at all the regular meetings, and F. A. Danker was selected to start the good work at the next meeting. The question box also will be taken up for the winter meetings. The secretary was instructed to send a letter of condolence to A. D. Wemple and family on the death of his father-in-law, Stephen Green, representing H. Bayersdorfer & Co., Philadelphia, who was present, was asked to give the members an idea of the effect of the war on florists' supplies for the future. He said many

of his firm's purchases had been held up but he believes they will yet receive some but at a possible advance in price owing to the difficulties of shipping and raise in freight rates. Edw. Tracey, F. A. Danker and L. H. Schaefer were appointed a committee to take up the trip to the S. A. F. and O. H. convention at San Francisco in 1915, and to induce the members who intend to go to start a pool and deposit a sum of money every meeting towards the expense of same, the money to be deposited in a savings bank so that it will draw interest. Remarks were made by Mr. Snyder, of Rhinebeck, N. Y.; Mr. Sanders; Fred Goldring, and others. After adjournment Chairman L. H. Schaefer of the Entertainment Committee invited the members to some refreshments. Next meeting, November 5th.

HORTICULTURAL SOCIETY OF NEW YORK.

The Fall Exhibition of this Society will be held at the American Museum of Natural History, New York City, from October 30 to November 3, inclusive. An invitation is extended to all to make exhibits. Prizes are offered for chrysanthemums, both plants and flowers, roses, carnations, foliage and decorative plants, new plants, and orchids, both plants and flowers. There are classes for both commercial and non-commercial growers.

Three prizes of \$50, \$35, and \$15 are offered for twelve vases of cut chrysanthemum blooms, in twelve varieties, three blooms of each, stems eighteen inches long. This should bring out keen competition. Schedules will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

GEORGE V. NASH, Sec'y.

The leading horticulturists in Belgium, Luxemburg, France, Ireland, England and Holland are proceeding with their San Francisco exposition plans and the war will not mar the most wonderful horticultural display ever seen in one beauty spot. In a letter just received from Belgium to the officials of the Panama-Pacific International Exposition, notice is given of the early shipment of 10,000 bulbs. "We have not given up hope of visiting the exposition," said the writer.

AMERICAN CARNATION SOCIETY.

Secretary Baur is mailing to each raiser of one or more new varieties of carnations a list of his varieties, with a request for the data lacking of making the society register complete. There are some 300 carnation breed-

ers recorded, with a total of about 1500 varieties. There are several whose address Mr. Baur is unable to find. A list of their names and the varieties they raised is appended. Perhaps some of our readers might help to locate them.

Raiser	Variety	Color	Year
Kirk	Volunteer	White striped rose	1888
Muller	Springfield	Rosy pink	1876
Page	Victor	Red	1887
Pyfer	W. E. Rowlands	Pink	1886
Temple	Little Sir	Deep crimson red	1886
White	King of the crimson	Crimson	1876
Bergmann	American Flag	White striped red	1890
Conrad	Ida May	Canary yellow splashed pink	
Ussing	Alexander	Deep pink	1891
Shuppelt	Euphemia	L. pink	
Shuppelt	Marie	Scarlet	1893
E. J. Cloud	Trilby	Br. Cardinal	1896

CLUB AND SOCIETY NOTES.

The Garden Society of Montclair, N. J., held a dahlia show at the Old First Presbyterian Church on September 26.

At the first annual flower show of the Garden Club of Chester Valley, Pa., there was a fine display of flowers, fruits and vegetables.

The Northampton and Holyoke (Mass.) Florists' and Gardeners' Club will hold their annual chrysanthemum exhibit in the city hall, Northampton, November 10 and 11.

The Worcester County (Mass.) Horticultural Society held its regular autumn show on Thursday, October 8. A banquet was served at noon with guests from Boston and Providence present.

The Oyster Bay Horticultural Society held its third autumn show at Oyster Bay, Long Island, N. Y., on September 30. The displays of vegetables were especially good being really the most interesting feature of the exhibition.

The Oklahoma State Nurserymen's association met September 22 for its annual fall meeting, at the Lee-Huckins, Oklahoma City. P. W. Vaught, of Holdenville is president and Jim Parker of Tecumseh is secretary of the organization.

The fourth annual exhibition of the Paterson (N.J.) Floricultural Society on September 25, 26, was a big success in every sense. The judges were William Taney, David Miller of Tuxedo and Jacob Witlinger of Ossining, N. Y., and they had a long list of prizes to award.

A garden exhibit was held at the Froebel school, Muskegon, Mich., on Sept. 22. The pupils of the school exhibited flowers and vegetables grown in home gardens by themselves. There was also a table for exhibits of flowers, fruits and vegetables grown by adults.

The annual exhibit of the Wappingers Falls (N. Y.) Dahlia and Improvement Society originally scheduled to take place on Sept. 25 and 26 was held on Friday and Saturday, Oct. 2 and 3. The continued dry weather has retarded the growth and bloom of many flowers.

The fifth annual exhibition of the Elberon (N. J.) Horticultural Society will be held at the Asbury Park casino November 3, 4 and 5. The show is styled as a chrysanthemum exhibit but it will not be confined to this flower. In addition to flowers, fruits and vegetables will be shown.

The Battle Creek (Mich.) Horticultural Society held a dahlia show on September 29, in the Toeller-Dolling window. The idea of staging a flower exhibition in a show window is rather novel. But "big oaks from little acorns grow," and it all helps toward an increased interest in flowers.

The Preliminary Schedule of Prizes

for the Exhibitions of February, March and May, 1915, to be held in Horticultural Hall, Boston, has been issued and those who have not received a copy may secure same on application to W. P. Rich, secretary. There are some fine prizes for the big Spring Exhibition, March 18-21.

The Association of American Cemetery Superintendents is in session this week at St. Louis, Mo., with headquarters at the Planters' Hotel, M. P. Brazil, Calvary Cemetery, St. Louis, is president of the association; Thomas Wallis, Rose Hill Cemetery, Chicago, vice-president, and Bellett Lawson, Jr., Elmwood Cemetery, Chicago, secretary-treasurer.

The annual exhibition of the products of the school gardens was held on October 2, at the Town Hall, Ipswich, Mass., and was attended by a large number of parents and interested people. The display of flowers and vegetables was the best since the school gardens were started. The contest is conducted under the direction of the Civics Committee of the Ipswich Woman's Club. Cash prizes were awarded.

The annual fruit, vegetable and dahlia show under the auspices of the Field Naturalist Society was held October 3 and 4 at Central Falls, R. I., and was attended by hundreds of the residents of the city, as well as many people from the villages along the Blackstone. The exhibition was said to have surpassed anything in the same line which the society has ever attempted. The judges were Thomas Ashworth, John Standring and John Joyce.

The third annual flower show of the Hightstown (N. J.) Improvement Association was held Saturday, Sept. 19. The interest shown proves that this is a lively organization, the members of which are gladly giving their time, money and energy for the uplift of the community's ideals. In spite of the dry and unfavorable weather, it was by far the largest and best flower show the society has yet had. The committee in charge deserves much praise for its work in arranging the exhibition.

The fall show of the Floral and Civic Association of Merchantville, N. J., was characterized by the local papers as "a tremendous success." Although this was their first show it is said that not within the memory of the oldest inhabitant of the town has the hall ever been visited by so many people within twenty-four hours. On the evening of Sept. 26, the opening day, there was a jam of people waiting in line to gain admission as late as 9 P. M. Many Philadelphia florists, seedsmen and nurserymen were represented and received special awards.

The next annual meeting and exhibition of the New Hampshire Horticultural Society will be held at Antrim, N. H., on October 21, 22, and 23. In addition to approximately three hundred dollars in cash prizes for exhibits of fruit and vegetables, the

Society this year has six beautiful silver trophies and many special prizes, which will be offered. The New Hampshire State Grange has donated a silver cup to be offered for the best general exhibit of apples by any subordinate grange. Premium lists and entry blanks may be secured of the secretary-treasurer, Stanley K. Lovell, Goffstown, N. H.

The schedule of prizes for the annual fall show of the Menlo Park Horticultural Society to be held in Armory Hall, Palo Alto, Cal., on October 23, 24 and 25, has been received and it has a very enticing look for the growers of flowering and foliage plants, chrysanthemums, etc. There are 86 classes, open, private and commercial and among the trophies offered are nine silver cups and one gold watch. The officers are as follows: H. L. Goertzhain, president; J. M. Daly, vice-president; G. Nunn, treasurer; P. Ellings, secretary; exhibition committee, J. M. Daly, chairman, G. Nunn, D. Bassett, J. T. Lynch, P. Ellings; Manager of show, G. Ward.

AWARD OF THE WHITE MEDAL OF HONOR.

The Board of Trustees of the Massachusetts Horticultural Society has awarded the George Robert White Medal of Honor for the current year to Sir Harry J. Veitch of London in recognition of his distinguished services in promoting the advancement of horticulture both in Great Britain and in the United States.

This is the sixth award of this medal which was established by George Robert White of Boston in 1909 to be awarded annually by the Massachusetts Horticultural Society to the person who has done the most in recent years towards the advancement of the interest in horticulture in its broadest sense. The preceding awards have been as follows:

1909, Prof. C. S. Sargent, Director of the Arnold Arboretum.

1910, Jackson Thornton Dawson of the Arnold Arboretum.

1911, Victor Lemoine, Nancy, France.

1912, Michael H. Walsh, Woods Hole, Mass.

1913, Park Commission of the City of Rochester, N. Y.

WM. P. RICH, Sec'y.

SOLDIERS OF THE GOLDEN PLUME.

My soldiers of the golden plume
Are marching forth today;
The valleys of the autumn bloom
Are glorious all the way;
The asters flank them in the lane,
And round the world they run
Brave soldiers of the fall again,
Bright-plumed against the sun.

The ironweed's purple coronals toss
On tall stems by the road;
The meadow marvel's sunbeams boss
The path the storm wind strode;
And by the highways of blown dust,
And o'er the fields of dream,
My soldiers of the golden-rod
In ranks of splendor gleam

How stately and how brave they tread
The vestige of the year,
When summer leaves her fields of dead
For autumn's mothering tear!
How courtly in their conscious pride
They guard 'mid weed and grass
The highways of the countryside
Where ranks of dream must pass

—The Herald we Bore In Boston Post

TOPSFIELD NOTES.

What is said to be the finest example of rock-gardening in America is to be found on the Thomas E. Proctor estate in Topsfield, Mass. It is in many respects unique and in connection with the extensive arboretum established here, presents an attraction of engrossing interest for the advanced horticulturist and plant lover. The rock garden is constructed of boulders, many of them of enormous size, overlooking a small lake, and here seem to have been found the ideal conditions for a myriad of alpine plants. Rare conifers and ericaceous material are planted in endless variety and this most fascinating branch of ornamental gardening is here presented in its most flourishing aspect.

The Proctor estate comprises 3,000 acres, of which the arboretum occupies 300 acres. James Marlborough, the superintendent, points with pride to some specimens and groups of young sequoias and Cupressus Lawsoniana 4 to 6 feet high raised from seed from selected resistant stock with a view to securing trees hardy in Massachusetts, which give lusty evidence of adaptability in this respect. The oaks and other deciduous trees are being largely cut away on this estate and it is being reforested with white pine of which 60,000 young plants are set out each year. Although 25 miles north of Boston this place showed but little sign of frost damage, on a visit on October 2. Begonias and heleotropes in the flower garden were uninjured and in the rock garden the native Adiantum pedatum was also unharmed. Scotch heather (Calluna vulgaris) seems perfectly at home here. Mr. Marlborough has a very sweet-scented single white violet which he brought from the City of Mexico, a most robust grower forming great clumps of massive leaves and now flowering in frames. The flowers are inferior in size to those produced in Mexico, for some unexplained cause, but it is possible that under different climate conditions—further south or west—this would prove a valuable commercial variety and we should like to see it given a trial elsewhere. The ranges of plant and fruit houses on this estate are very extensive and, under Mr. Marlborough's care furnish shining examples of cultural skill. We hope to present some interesting notes later, on the system of peach training followed here.

Another estate of prominence in the Essex County galaxy is the Lawrence Farm where J. Wood is the attentive superintendent. This place comprising 135 acres is "still in the making" and although its principal activities thus far are agricultural rather than horticultural yet there is an elaborately built range of conservatories and additions are contemplated in the near future. Considerable forest planting is under way.

The Palmer estate where William Keith presides as gardener has many interesting features. The rhododendrons are a picture of health and vigor such as is rarely seen. Rose house, carnation house and gardens all show evidence of good care.

During Recess

ROCHESTER FLORISTS.

Rochester, Friday, Sept. 25, when the
It was aster day for the florists of

straw. The pit for the clambake attracted attention early in the day by its savory odors and the dinner, eaten at long tables in the open air surpassed the expectations. There



ROCHESTER FLORISTS' ASSOCIATION

Rochester Florists' Association on a Visit to the Vick Aster Farms.

annual clambake of The Rochester Association was held at the Vick Aster farms. The outing was a double success for the members not only enjoyed a good dinner and a pro-

were some exciting quito contests and a baseball game which only lasted three innings.

Guests of the association present were Robert Bard, of Syracuse; J. P. Rice and G. I. Colburn, of Geneva, and

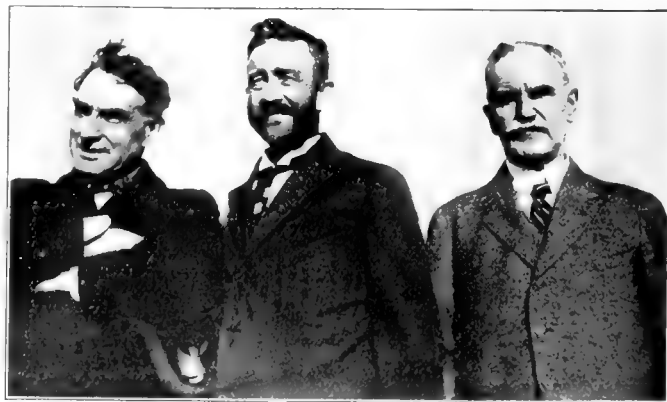
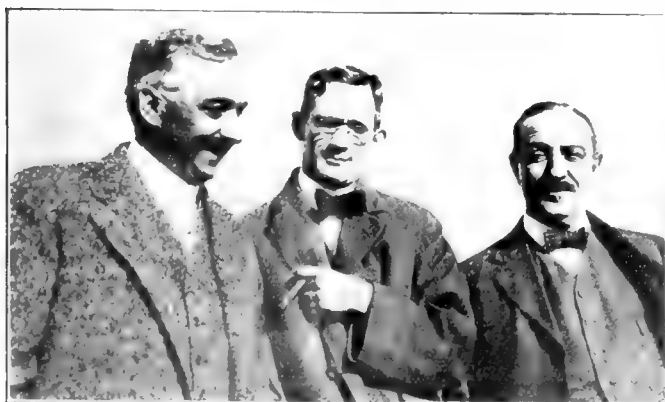


CULTIVATING ASTERS IN AUGUST.

gramme of sports but were able to spend an hour visiting the 70 acres of beautiful asters. The trip from the car to the farm was made in true rural style in a hayrack filled with

J. Boulton, of Syracuse. The committee of arrangements was composed of C. W. Crossman, G. B. Ogston, George B. Hart, Charles H. Vick, J. Michael Keller, and, ex-officio, John Dunbar, president of the association.

SIX OF THE LIVE WIRES OF ROCHESTER.



Left to Right J. Michael Keller, George B. Hart, Chas. H. Vick, C. B. Ogston, John Dunbar, C. W. Crossman.

Photographed by Mr. Roy, official photographer of the Times and Chronicle

HEACOCK'S KENTIAS



JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

OLD TOWN NURSERIES 35,000 BERBERIS THUNBERGII

All Sizes. Write for Prices

M. P. Haendler, Prop. SO. NATICK, MASS.

CATALOGUES RECEIVED.

Wagner Park Nursery Co., Sidney, O.—Catalogue of Bulbs, Shrubs, Trees, Hardy Flowers, etc. Handsomely illustrated and well printed.

John Connon Company, Hamilton, Ont.—Wholesale Price List of Flowering and Decorative Plants, Trees, Shrubs, Vines and Perennials.

Harlan P. Kelsey, Salem, Mass.—Catalogue of Highlands Nursery, Pineola, N. C., and Boxford Nursery of hardy American plants at Boxford, Mass.

F. & F. Nurseries, Springfield, N. J.—Fall Trade List. A very complete wholesale list of nursery stock. The F. & F. Nurseries are a department of the American Nursery Co.

New England Nurseries, Bedford, Mass.—Evergreens, Herbaceous Perennials, Bulbs, Shrubs, Roses, Vines, etc., for Fall Planting. A very comprehensive and complete guide for the garden planter, attractive in arrangement and pictorial adornment.

Bargains in Shade Trees And Evergreens

Why We Are Offering Them So Low



Blue Spruce.

IT'S not because business is poor, for in spite of the war, we are keeping over a hundred men as busy as they can be, digging, packing and shipping orders.

This unexpected Fall business we attribute to two things. First, people are all at once getting awake to the fact that Fall is actually the best time for most planting. People, who before would not buy in the Fall, as much as a few hardy plants of us, when we have urged them; have come this season in their autos, and gone away with their running boards loaded with them, besides several good sized evergreens filling up the back seat space.

Both the big and little buyers have come just as we have been advertising for them to come, for the last ten years.

Henry Ford, the famous automobile maker, took four carloads of Evergreens, big and little, last Fall, and three more cars were shipped to him this season.

Reason Number Two for people buying more this Fall, is because they have found out the undebatable, superiority of our stock, as to growth, dense, shapely formed tops, and the advantages of transplanting trees with a compact mass of fine roots that can be dug and shipped entirely without injury to them.

So much for that side of our business; now as to why we have made certain reductions in our Shade Trees and Evergreens.

Briefly: Because some of them will be crowding each other in another year. When this has happened before, we have always

moved them to give all the room to grow, needed for making the expensive tops. But now we have this growing down to such a fine point, with more trees continually coming along, the line growing higher; we have figured it out that it is better for us to sell a certain number of our trees and cut right off their prices what it would cost to move them.

MAPLES.

The big maples, for instance, that used to cost the Pittsburgh steel man, \$90.00, you can buy today, for \$45.00.

Here are some other prices:

High.	Diam.	Spread.	Age.	
20 ft.	5 in.	13 ft.	16 yrs.	\$45.00; reduced to \$28.00
24 ft.	6 in.	14 ft.	18 yrs.	60.00; reduced to 35.00
26 ft.	7 in.	16 ft.	20 yrs.	80.00; reduced to 50.00

WHITE PINES.

4 ft. high.....	@.....	\$20.00	per 10; reduced to \$13.33
5 " " " " " "	@.....	30.00	" 10; " 20.00
8 " " " " " "	@.....	140.00	" 10; " 70.00
10 " " " " " "	@.....	200.00	" 10; " 100.00
12 " " " " " "	@.....	270.00	" 10; " 150.00

October and November is the time to plant them, and the time they are most needed.

Everything you buy of Hicks is guaranteed not only to grow, but grow satisfactorily. Anything not satisfactory, we will cheerfully replace, whether it is a 2-foot high evergreen or a Norway Maple, having a 12-foot spread.

Now for business—what can we sell you? Our catalogs you are welcome to. A visit to our Nurseries is worth your while. Come and pick out just what you want. You will get exactly what you pick out.



Norway Maple 6 Inches in Diameter, 20 ft. High, and 18 ft. Spread.

Hicks Trees
Isaac Hicks & Son
Westbury, Long Island

Fine Ferns Ready for Immediate Retail Sale

We offer the following varieties of Ferns in the sizes specified, which we have in perfect shape at this time.

Nephrolepis muscosa, 3½-inch, 25c; 5-inch, 50c each.

Nephrolepis elegantissima, 6-inch, 50c; 8-inch, \$1.00; 10-inch \$2.00 each.

Nephrolepis elegantissima compacta, 3½-inch, 25c; 6-inch 50c; 8-inch, \$1.00 each.

Nephrolepis superbissima, 6-inch, 50c each.

Nephrolepis magnifica, 5-inch. 50c each.

Nephrolepis Piersoni, 6-inch, 50c; 8-inch, \$1.00 each.

Nephrolepis Dwarf Boston, 8-inch, \$1.00 each.

Nephrolepis Harrisii, 6-inch, 50c; 10-inch, \$2.00 to \$3.00; 12-inch, very large plants, \$5.00.

F. R. PIERSON CO.
TARRYTOWN, NEW YORK

JAPANESE Bamboo Canes

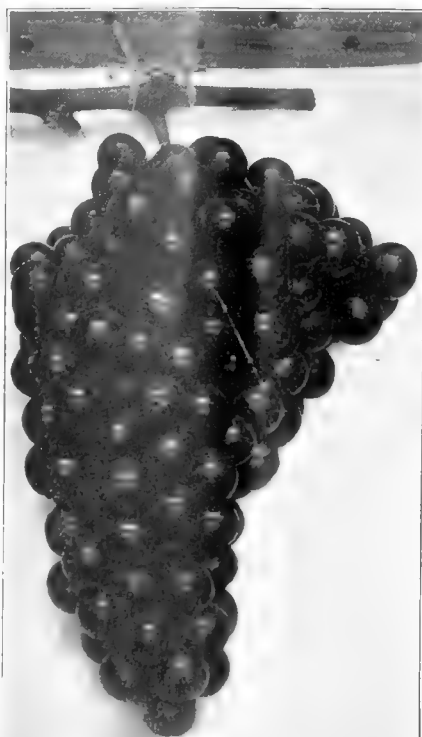
Just the thing for
Staking Plants and
Small Trees

	Per Bundle
6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

30 and 32 Barclay Street
NEW YORK

HOT HOUSE GRAPES



Black Hamburg, Muscat of Alexandria, Alicante, Appley Towers, Gros Colmar, Gros Guillaume, Lady Downe's Seedling, Madresfield Court, Black Muscat

They are grown in our own greenhouse and can be shipped immediately, if desired

**Strong Fruiting Canes
Planting Canes**

R. & J. FARQUHAR & COMPANY

6 South Market Street, Boston, Mass.

SEED TRADE

The European Situation.

Crop conditions have now become fairly clear excepting possibly the European situation, which is now, and promises to remain an enigma throughout the season. European dealers promise very freely that we shall get all goods ordered, but this is improbable, although no doubt we shall get a considerable percentage both those under contract and orders placed this fall. The great trouble however, will be the uncertainty of when the goods will arrive and what items will be omitted. This is a question that the future alone must answer, but this element of uncertainty will be very disturbing to the trade, and many are taking steps to supply immediate requirements on this side of the Atlantic, sufficient at least to meet early orders. This would seem to be good business, especially on the part of the mail-order houses, who begin to receive orders immediately after their catalogues are sent out. We have no wish to be pessimistic in this matter but simply wish to point out what may possibly occur.

Domestic Seed Crops.

So far as domestic crops are concerned, we may say in a general way that peas have been a fairly good crop, though the yield as well as the acreage were both smaller than a year ago, and the situation today is much stronger than last season at this

time. This applies not only to the garden varieties which are used mainly by the seed trade, but to those varieties used mainly by the canners. Good authorities estimate that in 1913, in the State of Wisconsin alone from 50,000 to 75,000 bushels of pea seed was involuntarily raised by the canners; that is, none of it was planted for seed purposes, but owing to the enormous crop and the weather conditions, the peas matured more rapidly than they could be handled for canning purposes, and a considerable percentage were allowed to ripen for seed. In the State of New York also not less than from 30,000 to 40,000 bushels were raised in the same way, while this year a very few thousand bushels in both states, probably not exceeding 6,000 or 8,000 would cover the entire quantity of seed grown by the canners.

The fact that the seed growers are already receiving many inquiries for quotations, particularly from the canners, is an interesting indication of the general requirements in this line. The demand for Alaskas is especially heavy, and they are already being quoted at \$4.00 and upward, which is a premium of at least 50c. per bushel over the prices at which futures were booked last winter. Good judges figure that Alaskas will ultimately sell at \$4.50 per bushel in car lots. There seems to be a much easier situation with regard to the later or "sweet" peas, but it is the opinion of leading growers that the market will be pretty thoroughly cleared up of all desirable pea seed before the meeting of the Canners convention, February next.

With reference to California seed crops, our latest information is that they have been fairly good with the exception of flowering sweet peas and one or two varieties of onion seed. Bush Lima beans, especially the Fordhook and Burpee's Improved are in short supply, and will bring a considerable premium over last spring's growing prices.

Owing to the warm open fall without damaging frosts until after October 1st, corn has generally matured well, even the late varieties. There will probably be sufficient to meet all ordinary requirements at moderate prices.

Vine Seeds and Beans.

Vine seeds of all kinds including cucumbers, melons, squashes and the fancy varieties of pumpkins are a little on the short side, but not sufficiently to cause any anxiety to buyers. The prices may be a little firmer than a year ago but not materially higher. The worst item on the list is the bean crop. Beans undoubtedly are in very short supply, and present indications are that prices will rule even higher than a year ago. It is pretty well understood that there was no carry over of beans, trade having to rely on this year's crops entirely. When we consider that the average on Wax varieties probably will not exceed 25 per cent and on the Green Pods from 25 to 40 per cent, some idea of values may be gained. We have heard it stated that even these low estimates are altogether too high, and that many of the Wax varieties will be returned practically crop fail-

BODDINGTON'S "QUALITY" CHRISTMAS-FLOWERING SWEET PEAS

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will again be scarce this season. The winter-flowering Spencer types are almost a total failure owing to the exceptional season in California this Spring, and through the ravages of Aphis.

We regret that our stocks of YARRAWA and ANITA WEHRMAN are entirely exhausted, also many other good varieties, but we can still offer the following while stocks last. Order at once to avoid disappointment—remembering that our stocks are true to name and while a little higher in price, will save you money in the long run.

ROSE QUEEN "ROSE QUEEN" is Orchid-flowering, borne on long stems, extremely free and early and of pink color most attractive, is a decided acquisition, and like all meritorious novelties is sure to be in demand wherever grown. Prices: Trade pkt., \$1.00; 3 trade pkts. for \$2.75; 1 oz., \$12.00.

THIS ADVERTISEMENT CAN BE USED AS AN ORDER SHEET

Remember, you may deduct 5% if cash accompanies the order.

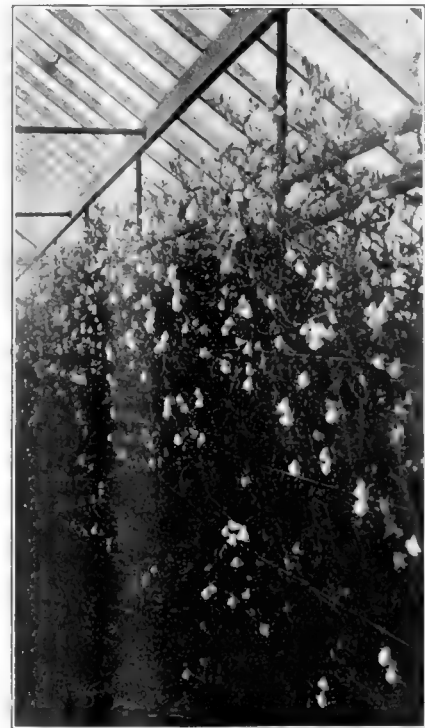
	Oz.	¼ lb.	½ lb.	Lb.
...BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—Will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting.....	\$0.25	\$0.75	\$1.25	\$2.00
...BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months .....	.15	.50	.85	1.50
...BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer....	.15	.50	.85	1.50
...CANARY. Similar to the Christmas White, but flowers of an exceptionally good yellow.....	.35	1.00	1.75	3.00
...FLORENCE DENZER. Pure white.....	.25	.75	1.25	2.00
...LE MARQUIS. This is the same color as Princess of Wales violet; has very large flowers.....	.35	1.00	1.75	3.00
...MISS HELEN M. GOULD. White, open flower; standard lilac, marbled....	.35	1.00	1.75	3.00
...MISS JOSEY REILLY. Lilac; very large flowers .....	.35	1.00	1.75	3.00
...MRS. ALEX. WALLACE. Lavender; very scarce .....	.25	.75	1.25	2.00
...MRS. HANNAN. Deep rose pink; very pleasing shade .....	.25	.75	1.25	2.00
...MRS. WILLIAM SIM. Salmon pink..	.25	.75	1.25	2.00
...MRS. W. W. SMALLEY. Satiny pink..	.25	.75	1.25	2.00
...MRS. F. J. DOLANSKY. Daybreak pink .....	.50	1.50	2.25	4.00
...MRS. CHAS. H. TOTTY. Sky blue; late .....	.25	.75	1.25	2.00
...MRS. ZVOLANEK. Blue, variegated; good for variety.....	.50	1.50	2.75	5.00
...WATCHUNG. Pure white.....	.25	.75	1.25	2.00
...WM. J. STEWART. Blue self.....	.35	1.00	1.75	3.00

Please write your name and address here and mail order today.

NAME

STREET ADDRESS

CITY STATE



Sweet Peas of C. W. Curtis, Irondequoit, N. Y. Raised from Boddington's Quality Seed.

Arthur T. Boddington, Seedsman

342 West 14th Street, NEW YORK

ORCHIDS

We grow and sell nothing but ORCHIDS. If you are in the market for this class of plants we respectfully solicit your inquiries and orders. Special lists on application.

LAGER & HURRELL, Summit, N. J.

PEONIES

Fifteen fine named Peonies for \$2.50, or 25 for \$5.00, all different and truly labeled, a chance to obtain a fine collection at half price, comprising such varieties as Festiva Maxima, Felix Crousse, Delachei, Achille, Lady L. Bramwell, Couronne d'Or, Prolifica Tricolor, Louis Van Houtte, and various other fine sorts. With any order of above for \$5.00 I will include one plant of Baroness Schroeder, free. I have the largest stock in America of Lady Alexandra Duff (absolutely true) and many other fine varieties. Send for catalogue.

W. L. GUMM, Peony Specialist
Remington, Indiana

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS, AZALEAS, CONIFERS, CLEMATIS, H. P. ROSES, SHRUBS, AND HERBACEOUS PLANTS.

P. OUWERKERK, 216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

CYCLAMEN

Best strain in existence.

2 inch \$3.00
3 inch 5.00
4 inch 7.50

THOMAS ROLAND,

Nahant, Mass.

ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

ures. We are inclined to regard these statements as a little pessimistic, and at least trust that conditions are not quite so bad.

Bean Prices for 1915.

It may be well to say just a word at this early date about the probable trend of prices on the bean crops of 1915. With white beans bringing from \$6.25 to \$6.75 per hundred pounds at this date, it is easy to conceive that farmers will not readily accept colored seed beans at \$1.75 or \$2.00 per bushel. In order to get the acreage which the growers will require, it looks very much as if they would have to pay not less than \$2.50 to \$2.75 for green and wax pod varieties another year. Should this prove to be the case, it will mean an advance of from \$.75 to \$1.00 per bushel to the seed trade; that is, prices another year will rule that much higher. The trade may as well get themselves prepared to pay these prices, because with the combination that exists a great shortage of seed stocks and the high prices that will have to be paid the farmers, growers of seed beans will be exceedingly foolish if they do not advance their growing prices from 75c. to \$1.00 a bushel as stated above.

Bulbs of High Degree.

It was predicted by some of the knowing ones when the European war broke out, that we should see some Dutch bulbs this fall such as had been rarely, if ever, sent to this country—bulbs that had invariably been reserved for the discriminating Russian and other markets abroad. On the suggestion of Messrs. R. & J. Farquhar & Co. we went to look over some bulb shipments just received from Holland by that firm and there saw evidence plain enough that the prediction above referred to was well founded. There were toproot hyacinths—Gen. DeWet, Grand Maitre, La Grandesse and other standard varieties perfect in every point and measuring 9 inches in circumference; Emperor narcissi of equal girth and, in fact, a marked superiority all through the select grades. Doubtless other importing houses handling high-class bulbs are enjoying a similar experience. Judging from the material available for them to work on, the exhibitors of forced bulbs at next spring's exhibitions will put up something well worth seeing. Having once got a taste of this sort of material it is not likely that the American trade will ever be satisfied to again play second fiddle.

British Seeds.

Editor HORTICULTURE:

Dear Sir:—We have recently noticed reference in the American Press regarding the war conditions which unhappily prevail in Europe at the present time.

These references suggest that the United States and Canada cannot look with confidence to Great Britain for the usual supply of seeds for the coming year. We shall be glad if you will intimate in your columns that there is no foundation for such fears.

This we feel is a matter of public interest and we in this country have every confidence that the British fleet will be able to safeguard the high road across the Atlantic and to ensure uninterrupted traffic which will maintain with regularity the commercial rela-

BUDDLEIA ASIATICA

A New Winter Cut Flower Plant

This new Greenhouse Shrub is without doubt one of the most interesting and attractive flowering plants in existence. It is of exceptional beauty, and wherever exhibited has been greatly admired by every flower lover. It grows about 3 feet tall, is of free branching habit and produces, in abundance, long spikes of pure white flowers, with a delicate fragrance, resembling lilac. They can be forced with little heat, a carnation house temperature being the most suitable, and can be brought into bloom by Christmas; used in combination with poinsettias, they are especially effective; valuable as a pot plant or for cut flowers. We predict a big sale for this novelty, and every progressive florist should try at least a few.

Strong plants in 2½-inch pots, \$2.00 per dozen; per 100, \$15.00. Extra large specimen plants in 6-inch pots, 50c each; per dozen, \$5.00. The supply is limited; order early.

Paper Whites, Romans, Freesias, Hyacinths, Tulips, Narcissus, etc.

Write Today for Our Wholesale Price List and Bulb Catalogue.

HENRY F. MICHELL CO. 518 Market Street, PHILADELPHIA, PA.

tions between the two Continents, and our American friends can look to British sources of supply with the same confidence as they have in times of peace.

We would also like to take the opportunity of referring to the many sympathetic communications which we have received from your side of the Atlantic.

Your obedient servants,
JAMES CARTER & COMPANY.

Chicago Seed Notes.

"Outlook never better," says the Leonard Seed Co. Seed crops grown on their home farms are practically taken care of. A small portion of the peas and beans still remain to be harvested. The crop of peas is not proving so large as at first predicted, while garden beans are in decidedly short crop, owing to early drouth and later cold weather. On the whole there is a shortage in many of the popular varieties of peas and the general crop of beans is much smaller than that of last year. Corn now promises to be in good crop, pleasant weather for harvesting being the only necessary condition. Radish seeds are of excellent quality and crop fairly good and the same may be said of carrots. This refers to American-grown seeds only. Advices from European growers are of a hopeful tone, but no definite information can be had. All American vine seeds as melon, squash, etc., also tomato seeds will be in about the usual supply. The crops that are likely to be shy on account of war are spinach, radish, beets, cauliflower and some varieties of cabbage and all kinds of garden seeds. Onion sets are in fairly good crop and are proving of excellent quality. Indications are that prices will remain steady through the season. At present prices on car lots to be delivered before Jan. 1, 1915, are \$1.50 per bushel on yellow onion sets, \$1.65 on red and

\$1.85 on white. Orders for spring delivery are \$2.25 for yellow and red, and \$2.50 to \$2.75 for white in 50 to 100 bushel lots. These are prices as quoted by the Leonard Seed Co.

The Commissioner of the Louisiana Department of Agriculture has stated that inasmuch as the last Legislature did not provide an appropriation for carrying into effect the new Louisiana seed law, the Department had as yet made no rules and regulations, and advised seedsmen to continue business as heretofore, until further notice.

Thorburn's

Freesia Purity Bulbs

½-in. diam., 1½-in. long.
Per 100, \$2.00 Per 1000, \$10.00
Extra Mammoth Bulbs,
\$3.00 per 100

Refracta Alba

¾ to 1½ inch \$3.00 per 1000
½ to ¾ inch 5.00 "
¾ inch and upward ... 8.50 "

Lilium Harrisii

(Bermuda Easter Lily)

5 to 7 inches in circumference
\$5.50 a hundred \$45.00 a thousand
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And all other varieties at
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Also a few cases Cold Storage
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Cases of 250 each for..... \$4.50
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beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



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JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

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Place your order now for Ayres' Winter
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SWEET PEA SEED

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"Renowned Sweet Pea Specialists"

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Seeds with a generation of finest
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**Of Interest to Retail
Florists**

Plainfield, N. J.—The contents and fixtures of the florist business, carried on for many years by Mrs. L. J. Denton, on Park avenue, were sold last week by auction and at good prices. Mrs. Denton is retiring from business. She has been carrying on the business since her husband's death, years ago, and has made a most of friends by her attention to the wants of her patrons and by her pleasant manner.

"Business," says William F. Gude, of Washington, "is about as good as usual at this time of the year. Some nice wedding decorations have been supplied during the past week, and a large number of inquiries have been received for receptions, debutante teas and banquets scheduled for the near future. The opening of the Laurel races a week ago created a demand for many flowers such as American Beauty and Mock roses, and for corsage bouquets. The clubhouse was profusely decorated. This is something of a start for the fall and with the number of requests for estimates for wedding and other decorations coming in more numerous than ever before, it augurs well for a good fall season."

**FLORISTS' TELEGRAPH DELIVERY
ASSOCIATION.**

The following names are reported as recent additions to the membership of the F. T. D.:

George Faber, 162 Washington Ave., Kan-
kakee, Ill.; Mrs. H. Alston, 2939 18th St.,
Tuscaloosa, Ala.; Evenden Bros., Williams-
port, Pa.; Welch, the Florist, 180 Asylum
St., Hartford, Conn.; Chas. W. Cronch, 523
Gay St., Knoxville, Tenn.; Weir's Elkhawn
Greenhouses, Jamesport, L. I., N. Y.; Fur-
row & Co., 120 W. Main St., Oklahoma City,
Okla.; W. H. Workman, 61 W. Bridge St.,
Oswego, N. Y.; Spear & McManis, 242
Asylum St., Hartford, Conn.; Wagner
Greenhouses, 622 Columbus Ave., Sandusky,
O.; John A. Salzer Seed Co., LaCrosse,
Wis.; Mary A. Hartnett, Ashton Bldg.,
Grand Rapids, Mich.; S. W. Coggan, 11 W.
Main St., Battle Creek, Mich.; McKenna,
Ltd., St. Catherine and Guy Sts., Montreal,
Canada; J. H. Playdon, Andover, Mass.;
Wm. Filene's Sons Co., 426 Washington St.,
Boston, Mass.; F. E. Selkregg, 19 S. Pearl
St., North East, Pa.

As a representative of every one of
these must first qualify as a member
of the S. A. F., it is evident that the
F. T. D. is a very productive propagat-
ing frame for the mother organization.

NEW FLOWER STORES.

Kalamazoo, Mich.—Morris Fisher.
Chicago, Ill.—C. J. Baker, 1514 13th
street.
Chicago, Ill. Oscar Metz, 5523 Har-
bor avenue.
Schenectady, N. Y.—W. C. Eger, 699
Albany street.
Pawtucket, R. I.—Walter Kelton,
Brownell building.
Virginia, Minn.—R. J. Koerner, 105
North Mesaba avenue.
Phoenix, Ariz.—C. E. Newman, Co-
lumbia Theatre building.
Windsor, Ont.—Windsor Flower
Shop, 62 Ouelette avenue.
Kokomo, Ind.—Coles' Flower Shop,
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Delivered on mail or telegraph order for
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HALL & ROBINSON Orders Filled
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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

Montreal, Can.—Hall & Robinson, 825 St.
Catherine St., W.

Montreal, Can.—P. McKenna & Sons, 770
St. Catherine St., West.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—A. Warendorff, 1193 Broad-
way.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

St. Paul, Minn.—L. L. May & Co.

Stamford, Conn.—"Quality Shop;" Stam-
ford Seed & Nursery Co.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEWS NOTES.

Salem, O.—N. C. Glass & Sons have
purchased the greenhouse business of
Joseph E. Bonsall.

Los Angeles, Cal.—Fred Sperry has
started in the wholesale flower busi-
ness at Winston street.

Topeka, Kan.—Kline Bros. have pur-
chased a greenhouse in which they will
grow stock for their wholesale and re-
tail stores.

Libertyville, Ill.—Schumann & Ko-
hout, growers for the Chicago whole-
salers, have dissolved partnership. Jo-
seph Kohout will continue the busi-
ness.

New York, N. Y.—Oscar Hauschild &
Co. have started in the wholesale
flower business and have taken space
in the store of Woodrow & Marketos,
37 West 28th street.

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NEW YORK
WIRE OR PHONE TO:
MAX SCHLING
22 West 59th Street, adjoining Plaza Hotel
Best Florists in the States as References
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We cover the territory between
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The Leading Florists'
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Will take care of all your orders for de-
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Stamford Seed & Nursery Co., 43 Atlantic St.

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Catalogue Free on Application

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ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
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RANDALL'S FLOWER SHOP
HARRY I. RANDALL, Proprietor.

Phone: Park 84

3 PLEASANT ST., WORCESTER, MASS.

Member Florists' Telegraph Delivery Association

BOSTON NOTES.

E. J. Sullivan, buyer for Quinlan Bros., of Lynn, Mass., has returned from his wedding trip in Washington.

Street car advertising is to be an important feature of a publicity campaign by the Boston Cut Flower Co. this winter.

Francis L. Wheeler of Natick and Ethel M. Coulter were married Sept. 23. They have just returned from their trip to Seal Harbor, Me.

Harry Quint is busy rebuilding the front of his store, at 199 Tremont street. The change will give more glass space and easier entrance.

Frank P. Putnam of North Tewksbury, Mass., is cutting the first pompon chrysanthemums we have seen this season. This is unusually early.

Evening classes in agriculture and horticulture will be given each Tuesday, Thursday, Friday and Saturday, beginning Oct. 13, at the Massachusetts Institute of Technology, under direction of the Chamber of Commerce. The lecturers will be members of Massachusetts Agricultural College. The lectures will be popular in form, but scientific and comprehensive.

The New England Rose Conservatories of Exeter, N. H., are featuring a pink and yellow rose which McAlpine & McDonald are offering under the name of "Peaches and Cream." McAlpine & McDonald have enlarged their floor space, greatly improving the establishment.

The Black Beauty rose is being sold in large quantities by McAlpine & McDonald. Black Beauty is a prime specialty with this firm and also with the Budlong Rose Co. The color is very dark crimson, reminding somewhat of the old favorite H. P., Prince Camille de Rohan.

CINCINNATI NOTES.

Wm. Murphy has returned from the Chenaux Islands.

Eddie Schwartz and Miss Bertha Frelsh of Dayton, Ky., were married on Tuesday of this week.

The E. G. Hill Floral Co. have been displaying some very tasty basket arrangements in their show windows.

BUSINESS TROUBLES.

Los Angeles, Cal.—Los Angeles Flower Market, in bankruptcy; assets, \$4,505.92, liabilities, \$5,559.27.

Kenosha, Wis.—The failure of the Commercial Savings Bank caused the failure of the United Refrigerator & Ice Machine Company. The assets of the latter are given as from \$268,000 to \$700,000, liabilities, \$552,000. A meeting of the stockholders was held Sept. 29th at the office of the company to consider plans which would enable the firm to continue in business.

CHICAGO NOTES.

Mr. and Mrs. Jas. G. Hancock are taking a short trip through the south, stopping at Mobile and New Orleans.

Andrew McAdams, well-known former Chicago florist, has returned from Florida and is greeting his many friends.

Many improvements are now completed at Portage Park, and the committee is sending out lists of stock required, for prices on shrubbery, etc.

At Peter Reinberg's store, Manager Reichling states that the Hadley rose is not proving a good commercial variety and they will not grow it another year. That the flowers do not average of sufficient size seems to be the chief objection.

Frank Oechslin has received two car loads of azaleas and another is on the way to be followed by smaller shipments. Prospects are that all azalea orders will be filled in full, and it is quite possible that the market may suffer from oversupply the same as in the bulb situation.

The opening of the flower department in Marshall Field's took place today with Robert Koots in charge. He has had several years of experience, but the conditions are so different that his position will not be an easy one. All arrangements are made for doing a large business and a special delivery car will be for the use of the new department.

A twenty dollar bill was given in payment for \$7.50 worth of flowers Saturday, at the Schiller store on the north side. When the flowers were delivered it was discovered that the man was a fraud and the bill was counterfeit. He had his \$12.50 in change, but was caught and arrested. The man answers to the name of John Morton and comes from outside of Chicago. His case is now in court.

The Foley Greenhouse Mfg. Co. begin the erection of the greenhouses at Purdue University this week where they now have three car loads of material. The range for the University of Illinois at Urbana is now completed and the Foleys are putting in the heating system. Philip Foley, Jr., who spent the summer working on the Purdue job is back for his senior year in high school, where he rejoices in being the manager of the foot ball team.

The opening of the new Continental and Commercial National Bank afforded a veritable flower show to Chicago patrons and the public in general. The new 21-story building occupies the entire block from La Salle street to Fifth avenue and from Adams to Quincy streets, and is the home of three banks. The floral offerings were telegraphed from all over the country and the retailers all seemed to have their share. Harry Rowe captured probably the largest order which called for 2,100 American Beauties.

The broad walk around the "island" in the center of the banking floor was

CHICAGO

And Neighboring Towns

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SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

Phone West 822

a promenade, boarded with huge vases and baskets of long stemmed Beauties and large chrysanthemums. The table in the office of President Reynolds was covered over with bouquets of choicest orchids and roses and lily of the valley. About 150 bouquets and baskets were on this floor and about half as many were on the lower floor. If such events could occur each week Chicago florists would greatly appreciate them.

WASHINGTON NOTES.

Neighborhood flower shows are growing to be very popular in Washington and this love of flowers is being fostered by a number of the local florists who see a resulting increased demand for flowers of the hothouse variety. The show at Brookland is a big event in that locality and many good displays are made. This year a number of the members of the Department of Agriculture living in Brookland and who grow flowers as amateurs entered the lists. On the occasion of the first annual flower show of the Petworth Citizens' Association, exhibits were made by thirty-five amateur growers of flowers and potted plants. The hall was decorated by Wm. F. Gude, who holds membership in the organization. The judges were George H. Cooke, George W. Hess, C. W. Colliere and John Cotton Smith.

John R. McLean's residence will soon be equipped with as finely an appointed conservatory as is to be found in this section of the country. The George A. Fuller Company will construct the conservatory upon plans prepared by John R. Pope, of New York, and the work it is estimated will cost \$22,000. It will adjoin the banquet hall, and admission can be gained from that room and from the tapestry rooms through swinging doors of glass. Panels of cast stone are to be set in the walls and pillars within the room will be of the same material. It is planned to place a large statue of Neptune, with a pool of water supplied from a fountain at the base. Banks of moss will line the walls and the conservatory will be stocked with a large collection of rare plants.

Thomas Young, Jr., is again located on Fifth avenue, New York, on the east side of the avenue, two doors from the southeast corner. In the opinion of HORTICULTURE, this is a magnificent location.

Obituary

George T. Hodges.

Geo. T. Hodges, formerly a florist of Louisville, Ky., died at his home in that city on September 25, at the age of 74. He had been ill for about a year.

Luke Mahon.

Luke Mahon, for the past seventeen years in charge of the Henry Lee estate, Brookline, Mass., died suddenly on Friday, October 2, aged 65 years. He leaves a widow, one son and two daughters.

Joseph Cincotte.

Joseph Cincotte, a gardener, employed by Frederic H. Kennard, a landscape architect, died Friday night, Oct. 2, from burns received that afternoon when a tank filled with kerosene exploded in an outbuilding on the Kennard estate at 246 Dudley road, Newton, Mass.

Jesse Bell.

Jesse Bell, of Riderwood, Baltimore County, committed suicide on September 29, by shooting himself in the right temple in an outbuilding at his home. Mr. Bell had been grieving for some time over the ill health of his wife and this is given by his relatives as the reason for the deed. That he had planned his end was evident from the careful manner in which he laid out the clothing in which he wished to be buried. Mr. Bell was fifty-six years old and had for a number of years been employed by William Fraser, a florist of Riderwood. He formerly lived at Govans.

PHILADELPHIA NOTES.

McCrory a 5 and 10 cent store at 12th and Market streets, is the latest in the retail cut flower field.

Verona has added 15 feet to his ice box in the Snellenburg flower shop. Good sign. Smile a little, Mr. Grower.

The Wanamaker dahlia show was held on Oct. 1, 2 and 3. Same was staged with good judgment—not too crowded—correctly named—and of educative value. This is more than can be said of some more pretentious shows. It's a pity we could not have the public educated the same way on lots of other flowers. The dahlia gets far more than its share.

Aster Novae Belgii and others of the charming Michaelmas Daisies are conspicuous features of the cut flower market at present as they well de-



THE JOHN C. MEYER THREAD CO., LOWELL, MASS.
In writing advertisers kindly mention HORTICULTURE.

BE SURE that you get the MEYER GREEN SILK LINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILK LINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILK LINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

serve to be. If they were not so common—how we would prize them. Did you ever notice the beautiful lacy formation of that infernal weed—the wild parsnip. It's really fine if you can only bring yourself to look on it without prejudice.

Wonderful shapes and delightful colors vied with each other at the stores of Henry A. Dreer, 714-716 Chestnut street, October 6, during the exhibition of dahlias, entered in competition for the premiums offered. Many beautiful flowers were on exhibition, prominent among which was the variety "Kalif," a majestic flower, pure scarlet, immense size and a perfect cactus form. 1st Prize for this was awarded to John W. Pepper, Jenkintown, Pa.; 2nd to A. Burgess, Germantown. "Nibelungenhort," another mammoth dahlia, old rose with golden apricot suffusion, petals beautifully curled and twisted, 1st prize to Edmund S. Eddy, Mt. Holly, N. J.; second to George I. Bodine, Chestnut Hill. "Hurtulanus Flet" giant flowers, beautiful shrimp pink, with delicate tints of red and yellow, 1st prize to George I. Bodine; 2nd to John W. Pepper. "Rheinischer Frohsinn," large flowers with incurving petals, white suffused with carmine rose. 1st to Edmund S. Eddy; 2nd to C. D. Gill, Cynwyd, Penna. "Dreer's Giant Cactus dahlias," immense blooms in charming colors. Three varieties, "Nerthus," "Wodan" and "Wolfgang Von Goethe". 1st to George I. Bodine; 2nd to John W. Pepper. Dreer's Collette dahlia. 1st to John W. Pepper; 2nd to George I. Bodine.

STATEMENT OF OWNERSHIP, MANAGEMENT, ETC., OF HORTICULTURE.

As Required by the Act of Congress, August 24, 1912.

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Boston, Oct. 10, 1914.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 5		CHICAGO Oct. 5		BUFFALO Oct. 5		PITTSBURG Oct. 5	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	12.50	to 15.00	10.00	to 15.00	15.00	to 20.00	12.50	to 15.00
" " No. 1.....	8.00	to 10.00	5.00	to 10.00	8.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 6.00	6.00	to 7.00	6.00	to 8.00
" " Ordinary.....	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	4.00	to 5.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	5.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" " Ordinary.....	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00	3.00	to 5.00
Maryland, Taft, Extra.....	4.00	to 6.00	5.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" " Ordinary.....	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00	3.00	to 5.00
Russell, Shawyer.....	5.00	to 8.00	3.00	to 15.00	5.00	to 7.00	.....	to
Carnations, Fancy.....	.....	to 3.00	1.00	to 1.50	2.00	to 2.50	.....	to 3.00
" " Ordinary.....	.....	to 2.00	.....	to 1.00	1.00	to 2.00	1.00	to 2.00
Cattleyas.....	50.00	to 60.00	35.00	to 50.00	40.00	to 50.00	30.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.50	5.00	to 8.00	10.00	to 12.00	10.00	to 12.00
Lily of the Valley.....	4.00	to 6.00	3.00	to 5.00	4.00	to 5.00	4.00	to 5.00
Asters.....	1.50	to 3.00	1.00	to 3.00	.50	to 1.50	.....	to
Gladioli.....	2.00	to 5.00	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Corn Flower.....	.....	to .....	.....	to .....	.25	to .50	.....	to
Chrysanthemums.....	.....	to	6.00	to 20.00	15.00	to 20.00	12.50	to 20.00
Dahlias.....	2.00	to 4.00	2.00	to 4.00	1.00	to 3.00	1.00	to 5.00
Sweet Peas.....	.....	to .....	.....	to .....	.50	to 1.00	.....	to
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	to 12.50	10.00	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100).....	to 50.00	40.00	to 50.00	40.00	to 60.00	30.00	to 50.00
" " & Spreng. (100 bchs.).....	25.00	to 35.00	25.00	to 35.00	35.00	to 45.00	20.00	to 30.00

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Flower Market Reports

BOSTON The market is again in an unsettled condition. Business was very good at the first of the week, but buying has taken a rapid slump this Thursday. There is a poor demand for roses and carnations, although the quality of roses is very good. With the chilly weather at the end of last week receipts were rapidly decreased and carnations were decidedly scarce, but the reverse now is true. Chrysanthemums have had a good call. Lilies bring a better price than for a long time and the supply of lily of the valley being limited, this also holds a firm market value. There are large quantities of candytuft in the wholesale places, but it is not much appreciated by the buyers and large bunches of fine quality find few takers at 15 cents a bunch. Violets are in fair supply and, everything considered, are of acceptable quality, but are selling slowly. Snapdragons, pansies, etc., are plentiful.

BUFFALO Market conditions have finally taken an upward course and this is due to the fact that Jack Frost has been around this locality and put a crimp on asters and other outdoor stock. Of course there are still a few stragglers, but not enough to mention and this crimp of Jack's has turned the flower buyers toward carnations, chrysanthemums, roses, lilies and other indoor stock. The consequence is that there are not enough long stemmed carnations or chrysanthemums coming in to supply the demand. Roses are showing their winter form and some excellent special Killarneys in pink and white are had, also Richmond and other varieties. Lilies are now scarce and the price has advanced. Single and double dahlias are coming in also cosmos and these have taken well so far. Weather conditions have helped the sales wonderfully.

CHICAGO Summer weather is still bringing summer business and trade is very disappointing. This refers mostly to local trade for the larger shippers claim very good out-of-town business. The event of the week, the opening of the new bank, might be called the event of the summer from the standpoint of flowers used, and served to dispose of an enormous amount of high class stock. Three thousand American Beauties is probably an underestimate and chrysanthemums, orchids, etc., were sent in quantity. Carnations only were left out and not one was seen. Asters are about gone and no one is sorry. Gladioli, too, are getting scarce; Chicago White is seen but buyers are not attracted by them. Roses are almost, if not quite, a glut this week and it takes good salesmanship to move them at any price. Violets are coming to this market daily and the Hudson River ones are said to arrive in fair condition and are as much in favor as home-grown ones. Chrysanthemums are fast getting to be the queen of the market and quality is good. There is little call for orchids though cattleyas, oncidiums and dendrobiums are all to be had. American Beauties are sharing the fate of the rest and lower prices prevail and still

NEW ROSES

This year eclipses all past seasons in the number of varieties of Roses we are handling. Try a box including some of the 1914 introductions.



	Special Doz.	Fancy Doz.	Extra Doz.	First Doz.	Second Doz.
American Beauty	\$3.00	\$2.50	\$2.00	\$1.50	\$1.00
American Beauty	100	100	100	100	100
American Beauty	22.50	20.00	15.00	10.00	7.50
Mrs. Charles Russell	15.00	12.50	10.00	8.00	5.00
Hadley (the new Robinson)			6.00	5.00	3.00
Mrs. Taft		8.00	6.00	4.00	3.00
Ophelia (new)			6.00	5.00	3.00
Richmond			6.00	4.00	2.00
Francis Scott Key (new)			6.00	4.00	3.00
Pink Killarney					
White Killarney	6.00		5.00	4.00	2.00
Double White Killarney			8.00	6.00	3.00
Jonkheer J. L. Mock	10.00		8.00	6.00	4.00
Maryland			6.00	4.00	3.00
Radiance	10.00		8.00	6.00	3.00
Sunburst	10.00		8.00	5.00	3.00
Mrs. Aaron Ward			6.00	4.00	3.00
Pine Flame			5.00	3.00	
Mrs. George Sawyer			6.00	5.00	3.00
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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Oct. 8	ST. LOUIS Sept. 28	PHILA. Sept. 20
Roses			
Am. Beauty, Special	20.00 to 25.00	20.00 to 25.00	15.00 to 20.00
" " Fancy and Extra	2.00 to 15.00	10.00 to 15.00	10.00 to 12.00
" " No. 1	2.00 to 4.00	5.00 to 8.00	4.00 to 6.00
Killarney, Richmond, Extra	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
" " Ordinary	1.00 to 3.00	1.00 to 2.00	1.00 to 2.00
Hillingdon, Ward, Sunburst, Extra	4.00 to 8.00	4.00 to 6.00	4.00 to 6.00
" " Ordinary	1.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Maryland, Taft, Extra	4.00 to 8.00	4.00 to 5.00	4.00 to 6.00
" " Ordinary	1.00 to 3.00	1.00 to 2.00	1.00 to 2.00
Russell, Sawyer	3.00 to 12.00	4.00 to 5.00	3.00 to 8.00
Carnations, Fancy	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
" " Ordinary	1.00 to 2.00	1.00 to 1.50	1.00 to 1.50
Cattleyas	30.00 to 40.00	40.00 to 50.00	35.00 to 50.00
Lilies, Longiflorum	10.00 to 12.50	6.00 to 8.00	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
Asters	.35 to .50	1.00 to 4.00	.50 to 2.00
Gladioli	1.00 to 2.00	1.00 to 3.00	
Corn Flower			.25 to .40
Chrysanthemums	10.00 to 15.00		1.00 to 4.00
Dahlias			.35 to .50
Sweet Peas			12.00 to 20.00
Gardenias	20.00 to 25.00		1.25 to 1.50
Adiantum	.75 to 1.00	10.00 to 12.50	15.00
Smilax	12.00 to 15.00	50.00 to 55.00	35.00 to 50.00
Asparagus Plumosus, Strings (100)	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" " A Spreng. (100 Bchs.)	10.00 to 35.00	15.00 to 25.00	25.00 to 50.00

stock moves slowly. Altogether, florists are waiting for a hard frost and do not expect brisk business until it comes.

CINCINNATI Extraordinary heavy receipts in all lines. No let-up to the receipts of asters, dahlias and cosmos. The first named will undoubtedly be in heavy supply for the next week or so while the last two named are bound to bloom until the first killing frost comes. Rose receipts, including American Beauty, continue heavy and of a good quality. Lilium giganteum receipts are sufficient. Chrysanthemum cuts are larger but as yet are not a great factor in the market. Both lily of the valley and orchid

have a fair call. Prices throughout last week were very low.

NEW YORK The return of warm weather again has made a big change in market conditions this week. Roses, which had been selling remarkably well have taken a sudden drop and are being sold as low as \$5 per 1,000. Lilies also are very much more in evidence. Lily of the valley remains about the same. Violets, some of very good quality, are very plentiful at 25c. to 50c. per 100. American Beauties are also selling for less money. There are still some gladioli in the market. Chrysanthemums seem to be in

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 3 1914		First Half of Week beginning Oct. 5 1914	
American Beauty, Special	15.00	to 30.00	15.00	to 25.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1	5.00	to 10.00	3.00	to 8.00
Killarney, Richmond, Extra	2.00	to 5.00	2.00	to 5.00
" " Ordinary	1.00	to 3.00	.50	to 1.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 5.00	3.00	to 6.00
" " Ordinary	1.00	to 3.00	.50	to 2.00
Maryland, Taft, Extra	3.00	to 6.00	3.00	to 6.00
" " Ordinary	1.00	to 3.00	.50	to 4.00
Russell, Sawyer	1.00	to 5.00	2.00	to 6.00
Carnations, Fancy Grade	2.00	to 4.00	1.50	to 3.00
" " Ordinary	1.00	to 2.00	.50	to 1.00

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Flower Market Reports

(Continued from page 530)

three weeks late with many of the growers and those that are arriving in the market are meeting with fairly good sale.

We are glad to send a more optimistic report of this market. The weather has been cooler; there is less stock; the stocks are better; the demand is also improved; all of which taken together has toned things up considerably. Most people are home from their holidays and the season may now be said to have started in. If they would only stop talking so much about war-war, and hard times, things would be better all around. Folks seem to work themselves up into what the Christian scientist calls "a state of mind." They ought to stop it and go on about their business as usual. Prices on American Beauty roses have stiffened up a little but they still rule considerably below last year's quotations. All roses have improved in quality. Russell leads as the best seller and while there are big cuts arriving there are not nearly enough for the demand. Carnations are rather scarce. Dahlias are moving out in good shape. Asters are still pretty fair. Glory Pacific adds a note of variety to the white and yellow chrysanthemums. Cosmos is at its best and a good business is being done in that item. Lilies are in good supply and will probably sell well until the chrysanthemums get more plentiful.

Business is not yet as steady as it should be, still quite a big improvement is noted. Stock is moving much better than for some time and the glut is not near as heavy as it has been. Roses are still in heavy supply in all grades except Mrs. all varieties with White and Brilliant having the call. Beauties are not so many and are greatly off color. Chrysanthemums are as yet not any too many. Smith's Advance and Golden Glow are the only varieties in. Carnations could be better than they are. Only very few of the fancy grades come in now, but a big crop is coming soon. Violets are off color and don't sell well. Asters are through for this season. Lily of the Russell. Killarneys are supreme in valley and lilies hold their own.

There have been fewer flowers in the market and as a result prices have soared to some extent. There is a very noticeable

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 3 1914		First Half of Week beginning Oct 5 1914	
Cattleyas.....	15.00	to 25.00	15.00	to 25.00
Lilies, Longiflorum.....	8.00	to 10.00	6.00	to 8.00
" Rubrum.....	3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	3.00	to 4.00	.....	to 3.00
Asters.....	.....	to .....	.10	to .50
Gladioli.....	.....	to	2.00	to 3.00
Corn Flower.....	.....	to .....	.....	to
Chrysanthemums.....	15.00	to 50.00	15.00	to 25.00
Dahlias.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	.....	to .....	.....	to
Gardenias.....	8.00	to 16.00	5.00	to 16.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100).....	25.00	to 35.00	15.00	to 25.00
" & Spren (100 bunches).....	15.00	to 25.00	15.00	to 25.00

improvement in quality of roses. The Mock roses are well worthy of mention and American Beauty roses are constantly improving. Carnations are better but at present they are hanging fire. Thanks to the little difficulties in their production noted last month, dahlias have not come into the market in such quantities as to constitute a glut and spoil the sale of all other flowers. Chrysanthemums October Frost and October Yellow, came into bloom last week, and Smith's Advance are coming along nicely. Cosmos is now to be had, but not in such quantity as to be considered a pest by the store men. Lily of the valley is holding up well to a price of \$5 per hundred. There seems to be little or no demand for lilies. Violets are beginning, but it will be some few days before these are in the proper quality.

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ST. LOUIS NOTES.

Carl Haltenhoff, of Gotha, Fla., well known in trade circles here, visited friends recently on his way to Marshall, Iowa, where he will engage in business with A. H. Smith in landscape work. Both are former graduates of Shaw's Garden.

Alfred Rehder of the Arnold Arboretum, Boston, Paul C. Standly of the U. S. National Herbarium, Washington, D. C., and Dr. David Griffiths of the Bureau of Plant Industry of the United States, Washington, D. C., recently paid a visit to Shaw Gardens and were guests of the directors.

Anton Haitoebben, 24 years, a tree-trimmer employed in the City Forestry Department, was seriously injured when a trimmer which he was using came in contact with a heavily charged electric wire. The steel of his pruning implement carried the voltage to Haitoebben and the shock threw him from the tree to the ground, 25 feet. He was taken to the City Hospital, where it was found he had suffered a fracture of the skull and numerous cuts and bruises about the head and body.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
ROEHR'S CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BEGONIAS Lorraine, Cincinnati and
Florence Davenport, 2½ in. pots. De-
livery from May 15th. JULIUS ROEHR'S
CO., Rutherford, N. J.

BERBERIS THUNBERGII

Old Town Nurseries, M. P. Haendler, Prop.,
So. Natick, Mass.
For page see List of Advertisers.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on
demand. JULIUS ROEHR'S CO., Ruther-
ford, N. J.

BOXWOOD TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.

For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Fall Bulbs.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.

For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

MRS. FRANK PENDLETON.

I am headquarters for pure stock of this
grand pink gladiolus. Write for quota-
tions on all sizes. Also planting stock of
Chicago White, Glory, Meadowvale, Snow-
bank, The King, etc. Prices right.
L. MERTON GAGE, Natick, Mass.

CANES

Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

CARNATIONS—Field-grown, strong,
healthy plants; white seedlings, very fine,
free bloomers; red seedlings, similar to
Bonfire and Enchantress, \$3.00 per 100,
\$25.00 per 1000. Cash with order, please.
JOHN S. GREEN, Morristown, N. J.

Carnations: Light Pink Enchantress,
and a few Rose Pink Enchantress; nice
bushy plants, free from disease; \$4.50 per
100, \$40.00 per 1,000; Giant Stevia, 2½ inch
pots, \$2.25 per 100. Cash with order,
please. MOREL BROS., 622 E. Market
Street, Scranton, Pa.

CARNATION STAPLE

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 2000 for \$1.00 post paid. I. L.
PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

STOCK MUM PLANTS CHEAP TO GET
ROOM 10,000 Golden Glow, Frost, Unaka,
Chrysolora, Dubois, Snow, Gloria, Robin-
son, Ramapo, Turner, Salmon, Halliday,
Naamah, and 20 others, \$2 per 100, \$15 per
1000, your assortment.
I. M. RAYNER, Greenport, N. Y.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CYBOTIUMS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

Cyclamen from 3½ in. pots, \$15.00 per
100; 4 in., \$25.00 per 100; 5 in., \$50.00 per
100. Finest strain, separate colors.
JULIUS ROEHR'S CO., Rutherford, N. J.

CYPERUS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

DAHLIAS

Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECIDUOUS TREES

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
Two Valuable Ferns.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown, N. Y.
Fine Ferns for Immediate Retail Sale.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats.
For page see List of Advertisers.

For List of Advertisers See Page 511

FERNS—Continued

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechalin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

90th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.

Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayeradorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

B. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

MRS. FRANK PENDLETON.
I am headquarters for pure stock of this grand pink gladiolus. Write for quotations on all sizes. Also planting stock of Chicago White, Glory, Meadowvale, Snow-bank, The King, etc. Prices right.
L. MERTON GAGE, Natick, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
Metropolitan Material Co., Brooklyn, N. Y.

Lord & Burnham Co., New York City.

Pierson U-Bar Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.
For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Frank E. Woodward & Co., 19 Friend St.,
Boston, Mass.

Water Heaters for Greenhouses.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.

Lord & Burnham Co., New York City.

HOT HOUSE GRAPES

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."
For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IRIS

IRIS—10 named varieties German Iris,
\$2.00 per 100. AMON HEIGHTS NUR-
SERIES, Camden, N. J.

IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

KIL-WORM AND KIL-WEED POISON
Lemon Oil Co., Dept. J., Baltimore, Md.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILIAM FORMOSUM

Yokohama Nursery Co., Ltd.,
New York City.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Lilium Formosum and Giganteum.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteum.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphne Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

ONION SEED

Federico C. Varela, Teneriffe, Canary Islands.
Bermuda Onion Seed.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

PANSY SEED

Chas. Frost, Kenilworth, N. J.
Kenilworth Giant Pansy Seed.

PELARGONIUMS

50 varieties of Pelargoniums, all under name. Send for descriptive circular and price list. JOHN S. LEACH, Hartford City, Indiana.

PEONIES

W. L. Gumm, Remington, Ind.
For page see List of Advertisers.

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

25 acres devoted to the growing of Peonies; let me figure on your list of wants. GILBERT H. WILD, Sarcxie, Mo.

PEONIES.

15c. each. Best White.
100 Madam Verneville, 15c. each. 100 May King, 10c. each. Very early deep scarlet.
100 Queen Victoria, 8c. each. white. 500 mixed, all colors, best named sorts, 5c. each. Good divisions. 3 to 6 eyes.

GLADIOLUS BULBS.

Augusta, America, Chicago White, Mrs. F. King, Kunderd's Seedlings. Extra fine; and 25 other sorts at less than bed rock prices. Must be sold. Reference, any Commercial Agency, or First National Bank of Belleville, Ill.

This advt. will not appear again. Write to E. T. FLANAGAN & SONS, Belleville, Ill.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PHLOX

PHLOX—Mrs. Jenkins (the best white) \$3.00 per 100. We need the room and have 20,000 surplus. AMON HEIGHTS NURSERIES, Camden, N. J.

Surplus Hardy Phloxes, named sorts mixed, to make room, \$12.00 per thousand. W. F. SCHMEISKE, Hospital Station, Binghamton, N. Y.

PHOENIX

Phoenix Cannariensis, fine large plants. \$7.50-\$35.00 each.
JULIUS ROEHRS CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company, N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

ROSES—Continued

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Roblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association, San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Lochner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 511

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. **LAGER & HURRELL**, Summit, N. J.

STOVE PLANTS

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For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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VEGETABLE PLANTS, ETC.

Strong Grand Rapids Lettuce Plants, 90c. per 1000. Pansy Plants, best mixture, \$2.00 per 1000. Daisy Bellis, pink and white, \$2.00 per 1000. **J. A. KEENEY**, Monongahela, Pa.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. **HOLTON & HUNKEL CO.**, Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**BARGAINS IN SHADE TREES AND EVERGREENS.**

Isaac Hicks & Son, Westbury, L. I., N. Y.
For page see List of Advertisers.

BOXWOOD SPRAYS.

McCallum Co., Pittsburgh, Pa.
For page see List of Advertisers.

BUDDLEIA ASIATICA.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION.

William H. Lutton Co., Jersey City, N. J.
For page see List of Advertisers.

HOT BED SASH.

Foley Greenhouse Construction Co., Chicago, Ill.
For page see List of Advertisers.

NEW ROSES.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

SITUATIONS WANTED**POSITION WANTED**

As I am free to accept a position, I would like to hear from parties in need of a man who will deliver the goods. Besides rose growing, I am well versed in other branches of gardening and floriculture, inside and out. Either private or commercial.

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WANTED—Head Gardener's or Superintendent's position. Northern and Southern experience in all branches; best of references. **W. D. NICKERSON**, 116 Putman St., Quincy, Mass.

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War Prices

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TRUCKERS' CONVENTION, PHILADELPHIA.

The seventh annual convention of the Vegetable Growers' Association of America was held in Horticultural Hall, Oct. 6, 7 and 8. The local arrangements were taken care of by the Philadelphia Vegetable Growers' Association. The sessions were well attended by a representative gathering from all parts of the country, and took place in the lower hall. The exhibition was in the upper hall. Among the most interesting of the exhibits to readers of Horticulture were the following:

W. Atlee Burpee & Co., an excellent collection of new large early-flowering gladioli raised from seed sown last May. For size and splendor the flowers were most sensational and to old timers who know the culture of the gladiolus only by way of the bulbs the exhibit was almost beyond belief. Trilliums and dahlias in the same connection were also shown. A great feature of this display was a beautiful trade-mark sign eight feet high and four feet across made from seeds of peas, beans, corn, etc. This was the work of Frank Therkildson and assistants. The floral triumphs were due to the cultural genius of George W. Kerr. Stokes' Seed Store made an excellent display of vegetables of the standard and newer varieties. Henry A. Dreer put up an excellent exhibit consisting mainly of seed samples and ferns and other foliage plants.

One of the finest of the non-professional vegetable exhibits was that from the farms of the Campbell Soup Co. This was the daintiest, neatest, most varied and artistic of anything we have ever seen in the way of a vegetable exhibit. Above all it was not too crowded. Every subject stood out separately as a distinct entity. Blue, green and purple Siberian kale made an excellent background center.

Lord & Burnham Co. were on hand with a fine lot of good salesmen—flanked by paint, putty and pictures. Fred Lautenschlager was there also—with an exhibit of pictures. Willard B. Kille showed his new everbearing strawberry "Superb." This proved a center of attraction and the results to the exhibitor must have been very gratifying.

Good displays were put up by the Pennsylvania State College, University of Oregon, Maryland State College, Philadelphia Vegetable Growers' Association, (Byberry) City Farms, Women's Horticultural Society (Ambler) Ohio State University, Cornell University, University of Illinois. The implement and fertilizer men were represented in a minor way, and of course our old Slug Shot friend, Ben. Hammond, was on hand with a good showing of his specialties.

The official program which was carried out with more or less completeness was as follows:

Tuesday, October 6, 9.30 A. M.

Call to Order. President R. L. Watts, State College, Pa., gave the Addresses.

On behalf of the City of Philadelphia, the Hon. Rudolph Blankenburg, Mayor. On behalf of the Philadelphia Vegetable Growers' Association, Mr. Howard W. Selby. Response.—Mr. C. W. Waid, E. Lansing, Mich. President's Annual Address. Report of Secretary. Report of Treasurer. Reports of Standing Committees.—"Nomenclature and Varieties of Vegetables," Prof. W. R. Lazenby, Ohio State University, Columbus, O., Chairman. "Weights and Measures," Mr. C. W. Waid, Michigan Agricultural College, E. Lansing, Mich., Chairman. "Seed Inspection and Certification," Dr. W. A. Orton, U. S. Department of Agriculture, Washington, D. C., Chairman. "Transportation Rates," Mr. E. A. Dunbar, Ashtabula, O., Secretary.

1.30 P. M.—Inspection Trip to Bustleton Market Gardens.

7.30 P. M.—Popular Open Meeting under auspices of Philadelphia Vegetable Growers' Association. Subject for Discussion: "Standardization," Prof. Clyde L. King, University of Pennsylvania, Philadelphia, Pa., Leader. Address.—Mr. Geo. W. Perkins, New York, N. Y.

Wednesday, October 7, 9.30 A. M.

Appointment of Committees. Subject for Discussion: "Soil Problems for Vegetable Growers," Dr. Jacob G. Lipman, Director, New Jersey Agricultural Experiment Station, New Brunswick, N. J., Leader.

1.30 P. M.—Inspection Trip to South Jersey Truck Farms.

7.30 P. M.—Popular Open Meeting under auspices of Philadelphia Vegetable Growers' Association. Subject for Discussion: "Marketing," Prof. Clyde L. King, University of Pennsylvania, Philadelphia, Pa., Leader. Discussion by Mr. E. T. Butterworth, Philadelphia, Branch, National League of Commission Merchants and others.

Thursday, October 8, 9.30 A. M.

Subject for Discussion: "Co-operation," Prof. Paul Work, New York State College of Agriculture, Leader. Addresses by Prof. T. C. Johnson, Director, Virginia Truck Experiment Station, Norfolk, Va., and others.

1.30 P. M.—Report of Committee on Resolutions. Report of Committee on Nominations. Election of Officers. Unfinished Business.

7.30 P. M.—Annual Banquet at the Bellevue-Stratford Hotel.

Friday, October 9.

Inspection Trips to Philadelphia Wholesale and Retail Markets, to Mr. C. W. Skinner's Farm at Newfield, N. J., and to other points of interest.

MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

The seniors in floriculture made a trip to the Botanic Gardens at Smith College, Northampton and under the guidance of Mr. Downer, who is in charge of the grounds, were shown through the greenhouses, herbaceous garden and shrubbery plantations.

A specimen Paulownia imperialis growing in a sheltered position attracted attention. This tree, a staminate form, has already set its flower buds for next spring. As it does not regularly flower north of New York City, this tree on Smith's College grounds is an unusual sight so far north.

A recent trip was taken by the juniors in floriculture to G. H. Sinclair's, Holyoke, Mass. Mr. Sinclair is putting up a new house, 60x400. Hitchings Co. is doing the construction. The students' trip was most valuable, as they saw the house in the midst of construction with all the modern, up-to-date appliances being installed, including a new recording ventilating apparatus. The house will be

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devoted to carnations and sweet peas. The spring crop will be lettuce.

French Hall is now completed and in it are the floricultural, market gardening and forestry departments.

The Horticultural Department has added a reflectoscope to its equipment. W. H. HATFIELD.

MOVING BIG TREES.

Our cover illustration this week shows a most interesting bit of tree moving and planting done by Isaac Hicks & Son. It is a conclusive evidence of the unqualified success of big tree moving when skillfully done. In this particular instance the owner's daughter wanted their new home to be built on top of a very slightly, treeless hill in Connecticut. She also demanded that the place should be surrounded with big elms and in two years' time have all the appearances of having been established by her ancestors.

Hicks successfully moved these fine old elms in from the country round about for twenty miles. That was over five years ago. The trees have been thriving, as you see them in the picture, ever since.

Hicks says that with his method of growing of big trees and root pruning, he can dig from his nursery and ship hundreds of miles, trees that are thirty feet high, and guarantee them to thrive and if they don't he cheerfully replaces them—a thing he is asked to do but seldom.

One of his tree movers will carry forty tons and is drawn by a traction engine, quite after the manner of the Germans in moving their big siege guns.

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Effective where others fail.
1/2 Pint...25c; Pint...40c; Quart...75c
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Dilute with water 30 to 50 parts.
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Unequaled for Producing Lusty Chrysanthemums

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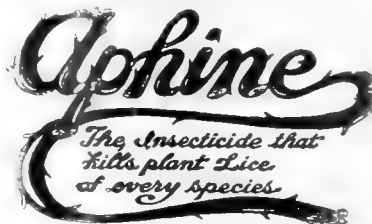
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houses each 35 x 100.Stamford, Ct.—Geo. L. Waterbury,
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Oak street, house, cost \$200.Providence, R. I.—James Hay, El-
dridge avenue, house 32 x 100.East Greenwich, R. I.—James Hay,
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1000 3 in. " @ 5.00	144 6 in. " @ 3.16
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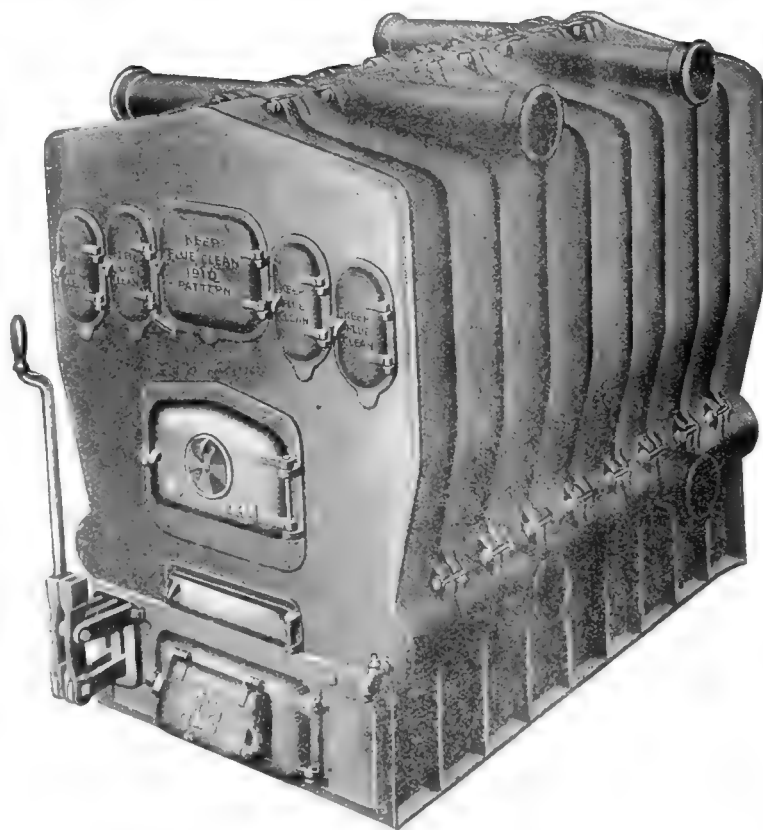
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Vol. XX
No. 16
OCT. 17
1914

HORTICULTURE



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2 1/4-inch pots...\$1.50 per dozen; \$10.00 per 100; \$ 90.00 per 1000
4 -inch pots... 3.50 per dozen; 25.00 per 100; 200.00 per 1000

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3-inch pots, fine single crowns...\$3.50 per doz.; \$25.00 per 100
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LIST OF ADVERTISERS

	Page		Page		Page		Page		Page
Advance Co.....	571	Conine, F. E.		Gude Bros. Co.....	557	McConnell, Alex.....	556	Plant Food Co.,	
Albany Cut		Nursery Co.....	544	Haendler, M. P.....	551	McCallum Co.....	563	20th Century.....	569
Flower Ex.....	562	Cowee, W. J.....	560	Hail Association.....	571	McManus, Jas.....	562	Poehlmann Bros.....	560
Allen, J. K.....	562	Craig, Robt. Co.....	544	Hall & Robinson.....	557	Metropolitan Ma-		Pulverized Ma-	
Anderson, S. A.....	557	Critchell, C. E.....	560	Hart, Geo. B.....	562	terial Co.....	571	nure Co.....	569
Aphine Mfg. Co.....	569	Crowl Fern Co.....	563	Heacock, Jos.....	551	Meyer, John C.		Quaker City Ma-	
Aschmann, G.....	544	Dards.....	556	Henderson, A. &		Co.....	559	chine Co.....	571
Asmus, Geo.....	558	Davenport, A. M.....	544	Hess & Swoboda.....	556	Meyer, Chas. F.....	543		
Ayres Co., S.		Dorner, F. &		Hews, A. H. &		Mitchell's Seed		Randall's Flower	
Bryson.....	555	Sons Co.....	544	Holm & Olson.....	556	House.....	554	Shop.....	557
Badgley, Riedel		Dreer, H. A.....		Hilfinger Bros.....	570	Michigan Cut		Reed & Keller.....	562
& Meyer.....	562	Dunlop, John H.....	557	Hill, E. G. Co.....	560	Flower Ex.....	560	Red Edw.....	560
Barrie, Geo. N.....	570	Dysart, R.....	563	Holland Nurser-		Millang, Chas.....	562	Renter's.....	557
Barrows & Son.....	544	Eastern Chemical		ies.....	544	Montreal Floral		Rice, M. Co.....	557
Bayersdorfer, H.		Co.....	569	Holm & Olson.....	556	Exchange.....	562	Roehrs, J. Co.....	551
& Co.....	559	Edwards Folding		Hoff, Daniel.....	571	Moore, Hentz &		Roland, Thomas.....	551
Bay State Nur-		Box Co.....	560	Irwin, R. J.....	544	Nash.....	562	Rolker, A. &	
series.....	542	Elliot, Wm. &		Kasting, W. F.		Murray, Samuel.....	556	Sons.....	543-570
Bobbink & At-		Sons.....	571	Keller, J. B.		National Nursery-		Rosery, The.....	556
kins.....	542	Ernest, W. H.....	570	Sons.....	556	man.....	542	Schiller.....	558
Boddington, A.		Esler, J. G.....	571	Keller, J. M. Co.....	544	Nicotine Mfg. Co.....	569	Schling, Max.....	557
T.....	553	Eyres.....	557	Kentucky Tobac-		Niessen, Leo Co.....	560	Schwake, Chas.	
Bolzano & Son,		Farmers and		co Product Co.....	569	Oechslin, Ernest.....	544	& Co.....	543
J.....	555	Florists Fertil-		Kervan Co.....	562	Old Town Nur-		Sheridan, W. F.....	562
Boston Florist		izer Co.....	569	King Construc-		series.....	551	Shop Partridge	
Letter Co.....	560	Parquhar, R. &		tion Co.....	570	Ouverkerk, P.....	544	& Co.....	571
Braslan Seed		J. & Co.....	551	Klokner, A.....	570	Palmer, W. J. &		Standa, Geo.....	562
Growers Co.....	555	Fisher, Peter.....	544	Komada Bros.....	559	Son.....	556	Stamps & Sig-	
Breck, J. & Sons.....	555	Foley Mfg. Co.....	570	Kramer, F. H.....	557	Park Floral Co.....	556	Stidelsky, S. S.	
Breitmeyer's, J.		Ford, M. C.....	562	Kroeschell Bros.....	571	Parshelsky Bros.....	570	& Co.....	555
Sons.....	556	Ford, W. P.....	562	Kuebler, W. H.....	562	Peirce, E. Allan.....	570	Sluis & Groot.....	555
Bryan, Alonzo J.....	544	Framingham		Lemon Oil Co.....	569	Pennock - Meehan		Small, J. H. &	
Burpee, W. A. &		Nurseries.....	542	Leonard Seed Co.....	555	Co.....	561	Sons.....	557
Co.....	555	Froment, H. E.....	562	Lochner & Co.....	543	Pierce, F. O.....	571	Smith, P. J.....	562
California Seed		Galvin, Thos. F.....	557	Low, Stuart &		Pierson, A. N.....	544	Smith & Co., E.	
Growers' Asso.....	555	Gasser Co., J. M.....	557	Co.....	551	Pierson, F. R.		to.....	569
Carter's Tested		Graham, Adam		May & Co., L. L.....	557	Co.....	551-557	Smith & Hemen-	
Seeds, Inc.....	554	& Son.....	556	McCarthy, N. F.		Pierson U-Bar		way Co.....	568
Childs, John		Grey, Thos. J. &		& Co.....	560	Co.....	572	Smith W. & T.	
Lewis.....	555	Co.....	554			Plantlife Co.....	569	Nursery Co.....	542
Clarke's, D.									
Sons.....	556								

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 564, 565, 566, 567

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When Writing to Advertisers Kindly Mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

Asparagus Sprengeri

All asparagus needs plenty of moisture around the roots especially when the roots are confined in a basket or pot. Trouble with *A. Sprengeri* is usually due to lack of water at the roots. Asparagus, when growing at all and proper drainage is provided, can stand feeding, and liquid cow manure—saw twice a week—is as good as anything. New growth is now coming up and a good top dressing for the plants whether in baskets or planted out on benches or beds, is of great help. They do very well in a 55 to 60 degrees night temperature. On all good days they like to be syringed.

Azaleas

Most of the azaleas are so heavily rooted that it is necessary to trim the roots so that they will go into a pot suitable for the size of the plant. If the ball is cut down with a big, sharp knife, I never saw the least harm come of it. Unpack as soon as received and give the ball of roots a good dipping in a tub of water for at least an hour, to soak them through. Pot firmly in 6 to 8 inch azalea pots using any good grade of potting soil and stand them in a cool, shady house and keep rather close for a week. Spray lightly two or three times daily. Those wanted for Easter should be stored in a cool pit where it will get sufficient light and where the frost can be excluded in zero weather. Those wanted for holiday forcing should be gradually inured in a cool house which will get them into shape for a warmer place in two or three weeks.

Begonia Lorraine and Cincinnati

What the larger specimen begonias—those in from five to eight pots—are most in need of now is room, plenty of it. They should be raised up closer to the glass, be placed on blocks of wood or inverted pots, and far enough apart to have every one of the overhanging branches fully exposed to the light. Tobacco fumigation in mild form before the flowers open will not harm, but after that it will. A layer of tobacco stems between and under the plants does much in keeping away insects. Temperature should not go below 55 nor rise above 70 degrees. Begonias of the smaller sizes, now making a rapid growth, also demand their full share of the grower's attention just now.

Mr. Farrell's next notes will be on the following: Callas; Christmas Plants; Tulips for Easter; Lily of the Valley for Holidays; Propagation; Night Temperatures

Care of Carnations

When syringing, special attention should be given to the ends of the benches where pipes may be nearer the plants, and dry walks should be damped down every day. If a general syringing is not given every day the plants should at least get a spraying through the bottom from every other walk. It must be done early in the morning, so that they will dry off before night. In the winter when the plants will not dry, the syringings have to be cut down to about one a week and even then they have to be shaken to remove the surplus moisture so that they do not remain wet over night. Disbudding is another thing which must be done at the right time. When the plants are growing fast, they should be gone over at least once a week. Apply a light dusting of bone flour, about 100 pounds to 2,000 square feet of bench surface. You can apply a top dressing of loam and cow manure in equal parts, putting it on about half an inch thick.

Orchids

Summer flowering orchids will now welcome a good rest. It is better to wait until the new growths begin to show with new roots just pushing before repotting. Taken in hand at this stage they soon become re-established. Use either clear osmunda fibre, or live sphagnum moss and osmunda in equal parts. Give the pots or baskets half their depth of crocks with some charcoal to insure good drainage. When potting bring the new compost well up to the base of the pseudo-bulb, potting moderately firm. Give them a shady part of the house for a little while and keep the floors and benches well damped down. Great care in watering will be necessary until the plants become well established. Give them a temperature of from 55 to 58 degrees at night.

Sowing Stocks

Now is a good time to sow some of this seed for pots and bench culture later on. Sow in pans or flats upon a fine sandy mixture, and cover the seed about three times their diameter. Keep in a temperature of about 48 degrees at night. When large enough they should be pricked out in other flats and later on they can be potted off.

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by this paper is THE SORT OF PUBLICITY
THAT PAYS.

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CONTENTS

Page

COVER ILLUSTRATION—Water Lily Pond at "Penbroke," Bryn Mawr, Pa.	
NOTES ON CULTURE OF FLORISTS' STOCK—Asparagus Sprengeri—Azaleas—Begonia Lorraine and Cincinnati—Care of Carnations—Orchids—Sowing Stocks— <i>John J. M. Farrell</i>	545
THE WATER LILY POND AT "PENBROKE," Bryn Mawr, Pa.— <i>Richard Rothe</i>	517
WHEN TO PLANT IRIS— <i>C. S. Harrison</i>	547
CLUBS AND SOCIETIES—Pittsburgh Florists' and Gardeners' Club—American Cemetery Superintendents—St. Louis Florist Club—New Bedford Horticultural Society—Westchester and Fairfield Horticultural Society—New York Florists' Club.....	548
Massachusetts Horticultural Society—Chrysanthemum Society of America—Cincinnati Florists' Society—Chicago to Indianapolis—Club and Society Notes.....	549
BOSTON CONVENTION GARDEN NOTES— <i>Kenneth Finlayson</i>	550
THE WASHINGTON ROSE GARDEN— <i>F. L. Mulford</i>	550
HOLLYHOCKS AGAIN— <i>C. S. Harrison</i>	550
MISSION OF BEAUTY— <i>C. S. Harrison</i>	552
SEED TRADE—A Fair Exchange—California Notes—Good Advertising, Illustrated.....	554
OF INTEREST TO RETAIL FLORISTS:	
Seen in Mobile.....	556
Flowers by Telegraph—New Flower Stores.....	557
NEWS ITEMS FROM EVERYWHERE:	
Boston—Washington—Cincinnati.....	558
California Notes—Visitors' Register.....	559
OBITUARY—Lilian A. Shaw, Portrait—Henry B. Moullierat—John M. Griffith—Morgan Miles.....	559
FLOWER MARKET REPORTS:	
Boston, Buffalo, Cincinnati, Knoxville, New York..	561
Philadelphia, San Francisco, St. Louis, Washington	563
WOOD ASHES AS SOURCE OF POTASH.....	568
BRITISH HORTICULTURE— <i>W. H. Adsett</i>	568
MISCELLANEOUS:	
Enter, Autumn, Poetry.....	549
L. W. Goodell's Sight Restored.....	550
Philadelphia Notes.....	551
Patents Granted.....	551
Personal.....	552
Catalogues Received.....	553
Business Troubles.....	554
News Notes.....	568
Greenhouses Building or Contemplated.....	570

"Anybody can sell the first class stuff; in fact, it sells itself," said our friend, "but it takes a genius to get rid of the leavings and that often represents our profits." Perhaps he was right, but there is another side to the question and that is as to the effect on the future patronage of the customer who, perchance, later on realized that he had been bitten. We acknowledge the "genius" part of it, when it comes to selling "lemons," in the critical disposition of the flower-buying public of the present day, but—what of the hereafter? Browning says:

"Genius has something of the infantine:
But of the childish, not a touch nor taint
Except through self-will, which, being foolishness,
Is certain, soon or late, of punishment."

About
"geniuses"

Having thus stumbled upon the subject of "a genius" in our rambles about town we must here disclaim any intention of "butting in" with a view to win that prize offered by George Cooper Watson for the best definition of a genius. The thing seems to be epidemic just now. In this issue our esteemed correspondent Richard Rothe is "hot on the trail" too, and he lauds the genius who is able to get away from the commonplace and traditional rule-of-thumb and do something fitting and appropriate in arrangement which was never done before. If, however, Dryden's belief that "genius must be born, and never can be taught," is well founded, then Mr. Rothe's educational efforts and our own frequent editorial exhortations are, indeed, futile excepting when they strike home to the man so born and perhaps serve to awaken his sleeping talents. Is the decorative talent displayed at our floral exhibitions, as they run on the average, to be considered a fair criterion of the number of floral geniuses in our midst?

The dump

Advices from many plant and bulb importers in all directions are to the effect that shipments from the disturbed European sources of supply are coming to hand, tardily but with a very creditable promptness considering the difficulties in the way. As predicted by some, there are evidences of an inclination on the part of foreign houses to unload on the American market not only our full legitimate needs but also more or less of the stock heretofore used in the countries now engulfed in war. This, in some instances, is superior stock but the opportunity has been evidently seized to throw in an enormous quantity of low grade bulb mixtures, often under deceiving names, and these find their way through all kinds of cheap-john channels, to the trade or the public—it matters not to the distributors who gets them—at whatever pittance they will bring. While we may have sympathy for the distressed growers of this material abroad this consideration does not extend to the parties on this side who are using the situation to demoralize the market here and injure the business of the legitimate dealers who paid regular market values abroad and now find their trade menaced by this deluge. The best protection against the invasion, however, lies in the unreliability of much of the stuff so offered and the wise buyer will stick to regular sources of supply or else buy nothing outside without a guarantee that goods are exactly as represented, coupled with a forfeit should they turn out otherwise.

A
question of
policy

Discussing with a store man recently the qualifications of one of his employees we were interested to learn that this particular clerk had especially endeared himself to his employers by his persuasive abilities in working off questionable or deteriorated material.

The Water Lily Pond at "Penbroke," Bryn Mawr, Pa.

It seems that floriculture as a vocation to a certain extent shortens our vision in regard to the beauty invested in flowers. We are prone to look at the product of ornamental plants and flowers as the shoe-manufacturer looks at his boots which is a serious short-sightedness. In order to be successful we should be able to transfer ourselves into the position of our respective patronage and endeavor to look at the matter their way. If we are imbued with a real innate love for flowers, how can we expect to be able to awaken and strengthen the appetite of others for a thing we do not relish ourselves? Evidence of narrow perception is shown in every case of poor staging of otherwise excellent material at our flower shows; also in the frequently neglected and ramshackle outside appearance of a florist's place. HORTICULTURE in its editorials has in the past repeatedly called attention to those weaknesses.

I am convinced it is time for many of us to make an honest effort to regain the wide perspective showing the urgent necessity of finding more telling ways and means to augment the general appreciation of floral beauty. Barring the specialist, our rank and file has every reason to strive for the attainment of taste and a better understanding of the decorative side of our calling. We cannot afford to be satisfied alone with perfection in our trees, shrubs, plants and flowers. If nothing more, prudence should prompt us to miss no opportunity for assuming the leadership by giving practical demonstrations and helpful suggestions of how to use and enjoy our product to the very best advantage. Once interested in this line of missionary work we will, by seeing what others have done, often discover things we should have done, too, and, perhaps done long ago.

In studying the ever-important problem of arrangement for effect in our gardens we find ourselves sometimes confronted by novel solutions of surprising simplicity. The waterlily-pond at "Penbroke" in Bryn Mawr, Pa., the subject of today's frontispiece of HORTICULTURE is an object lesson in this direction. To enliven the surface of the formal basin as part of a regular flower parterre with an appropriate aquatic vegetation is a comparatively easy task. The selection of material and the arrangement for an irregular pond or natural pool embracing naturalistic shore plantations offers more latitude for exertion of individual taste and talent. But the situation of the pond at "Penbroke" between two formal flower gardens made a naturalistic treatment well-nigh impossible. In this instance, by setting aside all rules laid down in standard works on landscape gardening and aiming solely for a gorgeous floral effect during the time the tropical nymphaeas were at their height the designer showed excellent judgment. The employment of the hardy hydrangeas with their immense white panicles as a relief and background for the rare classic forms of the *Nymphaea* varieties *dentata*, *O'Marana*, *rubra*, *William Stone* and *zanzibarensis*, resulted in an extremely fascinating picture. We wish here to congratulate Mr. Wm. Fowler, in charge of the

Penbroke estate, upon his skill as a grower of aquatics. His nymphaeas were the best we have seen in Philadelphia private gardens and we regret that the camera gives only a very vague idea of their exquisite beauty particularly in color effect which we were privileged to witness. The arrangement we believe is not of the type to be laid down in rule books of garden art, but it strongly impressed us as a design and execution testifying to the resourcefulness of an originator who, when necessity calls, is able to emancipate himself from cast-iron rules. It is the kind of work we may expect of a horticulturist living up to what Friedrich von Schiller in his "Song of the Bell" says:

"This forms a man's chief attribute
And reason is to him assigned,
That what his hands may execute,
Within his heart, too, he should find."

Richard Rothe

Glenside, Pa.

When to Plant Iris

A reader wishes to know when to plant these flowers. August is the very best time, especially in the north. Then they get well rooted for winter. You can plant them, however, any time until the ground freezes. But if you are far north you had better mulch them. Don't plant too deep. You will note that some kinds lift themselves out of the ground, to get into the sunlight. Some think because a few kinds grow in water they should be planted in wet ground. This is fatal to the German or rhizomatous iris; they cannot endure wet feet. This summer, I had a very vigorous row that were badly mixed. When in bloom I could separate them, so, as the weather was moist and the ground in good condition I dug them, cut off the tops and planted them, and all made a fine growth. The very worst time is just as they are about to bloom. I placed an order with a dealer and he was overcrowded and sent the stock very late and nearly every one died. Great care should be used in shipping early. You must send them dry; packed in damp moss they are sure to rot.

Diseases of the Iris

In our collection of 200,000 we have never noticed any trouble save occasionally the root rot, where the top joins the rhizome. And this trouble is due to too much manure and too much wet. Nebraska is an ideal place for iris. We generally have hot dry summers and if very hot and dry they seem to enjoy it. And in such a season they are always healthy. They should be planted on land high and dry with good surface drainage. If we have a very wet season on low ground we are sure to find some disease. Some sorts are immune and some are very subject to the rot. The Mori King is the worst of the lot, for it will get sick on the least provocation. They were so bad we dug up the whole row and threw them away in disgust. Had they been planted on a sandy ridge without manure they would have done all right but we didn't have the sand.

C. S. Harris

York, Neb.

CLUBS AND SOCIETIES

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

This club met on the evening of October 6, in the Fort Pitt Hotel, and the members thoroughly enjoyed the dahlia display which had been arranged. Carl Becherer, gardener at Dixmont Hospital, showed a notable collection of dahlias, many of them seedlings, strong in collarette varieties. The blaze of color in his varieties was remarkable, all of which were from tubers planted June 15. Among his exhibits were some flowers of the wild dahlia as found growing in the mountains of Mexico, single, long-stemmed and brick-red in color. Wm. Thomson, Jr., gardener for W. P. Snyder, Sewickley Heights, showed a well-grown collection of standard varieties. Cultural certificates were awarded to Messrs. Becherer and Thomson.

R. Vincent, Jr. & Sons Co., of White Marsh, Md., made a striking display of large blooms. Some of the outstanding varieties were: Beloit, Geisha, Hon. R. L. Borden, Jack's Discovery and Jack's Pink. H. C. Knauff of Pittsburgh, N. S., showed roses grown in the open, W. R. Smith, Gloire de Dijon and Bouquet d'Or thrifty and well-grown. The thanks of the club were given to the exhibitors. J. W. Jones spoke appreciatively of Dreer's Garden on the pier at Atlantic City and President McCallum told of a recent visit to Boston and the Arnold Arboretum. In Boston he was pleased with the bedding which achieved pleasing results by the use of unusual combinations, as for example Pandanus Veitchii, Ficus elastica with snapdragons between. Of the Arboretum and Jackson Dawson he could not say too much in praise. For a street tree adapted to Pittsburgh conditions, the Crimean linden was mentioned.

P. S. Randolph extended an invitation to visit his new plant at Sandy Creek on October 29 for a day's outing. The invitation was accepted with thanks. H. P. JOSLIN, Sec'y.

AMERICAN CEMETERY SUPERINTENDENTS.

The Association of American Cemetery Superintendents held a two-day session at the Planters Hotel, St. Louis, and the third day at the Missouri Botanical Garden last week. Discussions took place on floral decorations and landscape gardening features in cemeteries. "Flower Display Without Rain," a paper by W. E. Ohlweiler, general manager of the garden, and "Pictures in a Park Cemetery," by John Noyes, landscape gardener, were the features of the meeting at the Botanical Garden. Officers were elected as follows: President, Thomas Wallis, Rose Hill Cemetery, Chicago; Vice-President, James Warren, Providence, R. I.; Secretary and Treasurer, B. Lawson, Jr., Chicago; Executive Committee, H. S. Adams, Boston; W. P. Jones, Pittsburgh and J. A. Reed, Canton, Ohio. After the meeting the members were guests of the directors of the Botanical Garden at a luncheon. One hundred members were in attendance.

ST. LOUIS FLORIST CLUB.

A very interesting meeting of the Florist Club was held last week. A spring flower show was discussed and laid over until the next meeting for further consideration. H. W. Ohlweiler, Geo. H. Pring and C. W. Garrett, all of the Missouri Botanical Garden, were elected to membership.

Joe Hauser of Kirkwood had on exhibition his new single red dahlia which was highly commended by the committee. Mr. Hauser invited all to visit his dahlia farm. Neatly painted signs were ordered to be placed in all the wholesale houses inviting florists to join the club and advertise the meeting days and place of holding them. The next meeting will be held on November 12, at 2 o'clock.



GEORGE BURTON.

President-elect Florists' Club of Philadelphia.

NEW BEDFORD HORTICULTURAL SOCIETY.

At the meeting of this society, October 5, the subject "After the frost, What?" proved a drawing card, bringing out a good attendance and started a very pleasing and instructive discussion. Fall planting and winter protection were discussed so earnestly that the closing time arrived before we had half covered the ground and so the subject will be continued in our next. H. A. Jahn, the speaker of the evening, proved very versatile in answering questions, while his chronic good nature kept the members in a state of merriment.

Among the exhibits of the evening was a fine display of dahlias by Jose S. Figuerido of this city, easily taking premier honors. John P. Rooney showed his seedling peony-flowered dahlia—Mrs. Fred'k Grinnell. This looks like a good thing, color medium pink, form good with stems 2 to 3 feet long. The raiser claims exceptional keeping qualities for his seedling.

Arrangements for the coming Chrysanthemum Show were left to the executive committee. WM. F. TURNER.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

There was a large attendance at the October meeting of this Society. The fall show committee reported everything in readiness for a successful exhibition. Attractive prizes of cash, silver cups, cut glass and silverware are offered in the schedule which may be had from the secretary of the exhibition committee, Oscar Addor, Larchmont, N. Y. The show will be held in Germania Hall, New Rochelle, N. Y., November 4-5-6. A committee was appointed to draft resolutions of sympathy with the bereaved family of the late Henry Darlington, who was a life member of the society and whose interest in its welfare was appreciated by the entire membership. Nathan F. Barrett of New Rochelle, N. Y., lectured on "Landscape Architecture" in a pleasing manner and a rising vote of thanks was accorded him. A fine display of seasonable flowers, fruits and vegetables was on the exhibition tables. The special prize offered by Robt. Allen of Greenwich, Conn., for the best six varieties of vegetables was won by J. B. Andrews. Cultural certificates were awarded to the following: Robt. Williamson for collection of vegetables; E. Laurs, onions; P. W. Popp, dahlias all types, shown on long stems; Robert Williamson received honorable mention for peaches, melons and English walnuts. The thanks of the society was extended to John Conroy for seedling chrysanthemums (Mrs. H. Robinson × Cheltoni); Robt. Grunnert for carnations; Jas. Stuart, for hardy early flowering chrysanthemum "Normandie;" Carl Hankenson for Hadley roses and chrysanthemums; John Beck & Sons, Golden Glow; John B. Andrew, apples; Jas. Stuart, Conochlinium cœlestinum. The next meeting will be held November 13. P. W. POPP, Cor. Sec'y.

NEW YORK FLORISTS' CLUB.

About seventy-five members were present on the occasion of the October meeting of the New York Florists' Club, last Monday evening, and it was a very interesting meeting all through. Richard Vincent, Jr., of Whitmarsh, Md., was the lecturer of the evening, his subject being "Scotland." His talk was illustrated by handsome stereopticon views showing places of great natural beauty and historic interest, among which the haunts of Robert Burns were especially prominent, and the lecturer interspersed his remarks with quotations from Burns' poems. In this connection he urged the cause of the Wm. R. Smith Memorial to be erected in Washington, advising that it take the form of a garden school where young men could secure education in gardening.

Prior to the lecture various routine matters were disposed of. The report of the outing committee presented by W. E. Marshall showed a clean slate and no deficit, which was duly applauded. It was agreed that the November meeting be Ladies' Night. W. F. Sheridan, Emil Schloss and J. R. Lewis were appointed a committee to

prepare resolutions on the death of Lillian, daughter of J. Austin Shaw.

There was an unusually extensive display of flowers on the exhibition tables on which full report was made by J. A. Manda, chairman of the committee on awards. R. Vincent, Jr., & Sons Co., White Marsh, Md., Dahlias Geisha, Golden West, Sauv. de G. Dauton, Golden Gate, Hon. R. L. Borden, Beloit. Vote of thanks. C. H. Totty, Madison, N. J., a collection of early-flowering French Chrysanthemums, including Pomponette, Marie Dufour, Eden, Red Riding Hood, Debutante, Bronze Goacher, Normandie, A. Barham, and Chas. Jolly, pink. A fine new white Japanese exhibition variety, Antigore, was awarded a certificate of merit. Mr. Totty also showed a vase of White Shawyer, a sport of Mrs. Geo. Shawyer rose of the same habit of growth as the parent, which was given a preliminary certificate. J. Lewis Childs, Flowerfield, L. I., showed Celosia "Wool Flower," which was given a vote of thanks. W. A. Manda, S. Orange, N. J., displayed a fine collection of new dahlias, including the following varieties, among which are a number of seedlings: Perfection, Fire Flame, Minnie, Veronica Manda, Josef Manda, Sr., all of which were given a preliminary certificate; Albert Manda, which the committee desired to see again, and Resplendens, Tango, Bohemia, Garnet, Mrs. Gertrude Manda, Mrs. A. I. Du Pont, Excelsa, Frank Manda and Jos. Ehrlich. W. A. Finger, Hicksville, N. Y., showed Dahlias Kalif, Duchess of Brunswick and Golden Gate.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The Nominating Committee of the Massachusetts Horticultural Society has posted the list of candidates for the various officers of the society for the year 1915 to be voted for at the annual meeting November 14.

The list is as follows: President, John K. M. L. Farquhar; vice-president, Richard M. Saltonstall. Trustees for three years, C. S. Sargent, Thomas Roland, F. L. Ames, Thomas Allen. Nominating Committee, John L. Smith, Richard Hittinger, David R. Craig, George Page, Henry M. Howard. Delegate to State Board of Agriculture, Edward B. Wilder. In accordance with the by-laws of the society two weeks are allowed for further nominations should any be desired.

WM. P. RICH, Sec'y.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The annual meeting of the Chrysanthemum Society of America will be held at Indianapolis, Ind., at 9.30 Saturday morning, November 7. Papers will be read as follows: Pompon Chrysanthemums by Fred H. Lemon, Richmond, Ind.; Chrysanthemum Cut Blooms for Exhibition, by Wm. Vert Castle Gould, Port Washington, Long Island, N. Y.; Chrysanthemum Specimen Plants for Exhibition, by J. Canning, Sup't Heather Dell Farm, Ardsley, New York. Friday, November 6, the first day of the show, will be devoted to the staging of the exhibits and the judging.

The complete premium list for the annual exhibit of the Chrysanthemum Society of America, to be held at the

German House, Indianapolis, Ind., on November 6, 7 and 8, has been sent out and copies may be had on application to the secretary, Chas. W. Johnson, Morgan Park, Ill. In addition to the usual liberal cash prizes, there are twenty special trophies well worth striving for. This meeting will occur in conjunction with the celebration of the 25th anniversary of the State Florists' Association of Indiana.

CHAS. W. JOHNSON, Sec'y.

CHICAGO TO INDIANAPOLIS.

Arrangements have been made with the representative of the Big Four railroad to make reservations for the members of the Chicago Florists' Club and others desiring to attend the Indianapolis meeting of the Chrysanthemum Society of America, November 6-8, on the train leaving Chicago, Thursday, November 5, at 10.15 P. M., arriving at Indianapolis at 3.45 A. M., where the sleeper may be occupied until 7.30 A. M. The fare is \$3.70 each way, lower berths, \$2, upper, \$1.60. A car will be reserved for the exclusive use of the party if the number is sufficiently large.

MICHAEL BARKER, Chairman,
Transportation Committee.

CINCINNATI FLORISTS' SOCIETY.

The monthly meeting of this society was better attended than any for some time past. Rudolph E. Kurowski, vice president of the John C. Moninger Co., of Chicago, in a brief address told of the plans of his firm for their new Cincinnati branch office. After the meeting the members and guests enjoyed the hospitality of their host, Ray Murphy who had provided a "Dutch Lunch." Mr. Murphy's greenhouses are in good condition; they are well kept and he may well be proud of them.

CLUB AND SOCIETY NOTES.

Regular monthly meetings of the Rochester (N. Y.) Florists were resumed on Monday evening, October 12.

The Dayton Florists' Club held its monthly meeting on Thursday, Oct. 8, at the establishment of J. F. Young on Fifth street.

The Dobbs Ferry (N. Y.) Horticultural Society will hold its annual flower show in the Town Hall on November 7 and 8. The proceeds will be devoted to Red Cross purposes.

The Fall Exhibition of the Worcester County (Mass.) Horticultural Society was held on October 8. The showing of chrysanthemums was excellent for so early a date. Fruit and vegetables occupied most of the space.

The Chicago Florists' Club has invited the American Rose Society to hold its next meeting and exhibition in Chicago. The decision of the Rose Society will not be made until the meeting of its executive committee which will be held in the near future.

The Knoxville Florists' Society met at C. W. Crouch's store, Tuesday night, October 6; several important business

matters were discussed; the most important was that of setting aside and advertising a Chrysanthemum Day; on this a committee was appointed to get up the proper advertising, and to select a day suitable to all the florists.

The fourth annual convention of the California Association of Nurserymen will be held at San Diego on the 15th, 16th and 17th of this month. Several of the leading flower people here are taking an interest in the event, and while its chief concern is with the fruit nursery business, the ornamental department will receive some consideration.

The annual meeting and exhibition of the New Hampshire Horticultural Society will be held at Antrim, on October 21, 22 and 23. Many cash prizes for exhibits of fruit and vegetables, six beautiful silver trophies, and many special prizes will be offered. The State Grange has donated a silver cup for the best general exhibit of apples by any subordinate grange. The program will include many of the best speakers on agricultural subjects in the East.

The ninth annual flower and vegetable show of the New Jersey Floricultural Society was held October 5, afternoon and evening, at Orange. Mrs. Arthur J. Moulton, of Llewellyn Park, won first prize for the best miniature garden occupying a space of 5 x 5 feet; the Essex County Country Club was awarded second prize and Charles F. Rand, of Hutton Park, a miniature Japanese garden, received the third prize. Austin and Sidney Colgate captured first prize for display of fruits, and William Shilleber, Jr., of Essex Fells, second. The best exhibit of vegetables was by Dr. Daniel J. Mills-paugh, of Paterson, who was awarded a silver cup, and honorable mention was given Peter Hauck, Jr., in the same class. Mr. Hauck was awarded first prize in the gladioli exhibit. A prize for the best group of foliage plants, arranged for effect, was given to Sidney and Austin Colgate. W. A. Manda, of South Orange, had the best orchid collection and dahlias. The attendance was large. A chrysanthemum show will be given by the society in November.

ENTER, AUTUMN.

With breath slow chilled by coming cold,
The Summer breeze low whispers, sobs,
and dies!

The white clouds lose their warmth and
evening skies
Turn on a paler blue o'er sunset gold
Fair Autumn's here!

So, Summer's gone! The goldenrod
That rules the quiet of the waning
woods

Assumes its mellow sway, in varying
moods
And breezes come from Autumn's head
untrod,
Fair Autumn's here!

Give place! Give place! A new Queen
here!

Forget and Summer dreams can have
no place

When purpling Autumn comes with
quicker pace,

For in her train are mellow days and

When Summer's gone!

H. T. Sudduth, in N. Y. Tribune.

BOSTON CONVENTION GARDEN NOTES.

The Conard & Jones Company, West Grove, Pa., contributed the major display of cannas and all of them were splendid varieties. A brief description of same as they appeared to the writer follows:

Colossal, well named, as it has attained a height of 9 to 10 feet; flowers large deep orange, on massive spikes; notwithstanding its large proportions and striking appearance it is less practical than lesser varieties in my opinion for general landscape effects, being more useful for special purposes, as a back row for smaller kinds, the hiding of objectionable objects, such as fences and buildings, etc. Panama; this is exceedingly fine and attractive, of sturdy massive foliage and growth; grows three and one half to four feet high; flowers deep orange red mottled around the petal edges with yellow; individual petals 3 inches across; Al in every respect. Kate F. Deemer; a charming kind for color effects, especially for contrasting with scarlet and crimson kinds; grows to the same height as others (4 feet), but appears taller because it throws its flower-spikes much higher above its foliage. The flower spikes are much branched, not crowded, profusely flowered; this open habit adds great elegance to it; color light lemon to deep canary-yellow, with shading of pink at base of petals.

Wm. Sander is a coppery red foliage variety of most excellent habit; low, sturdy in growth, three to three and one half feet high; flower-spikes as well as individual flowers of ample size; color vivid scarlet. Meteor; this is an exceedingly brilliant variety, deep scarlet, very effective as a solid color sort; grows from four and one half to five feet tall; flowers and flower-trusses of large size.

Rosea gigantea grows four to four and one half feet high; light to deep rose in color; flowers and flower-spikes of massive proportions; a fine variety. Olympic; this is a superb variety for landscape effects, of more robust growth than most of the foregoing, yet finely proportioned; produces the largest and most striking flowers and flower-spikes of any; color deep vivid rose, its cheerfulness in this latter respect making it more acceptable for pronounced effects than R. gigantea; grows from five to five and one half feet tall. Mrs. Alfred F. Conard, a fine well balanced variety; growing from four and one half to five feet tall; color somewhat fancy and unique in the canna line, not easily described technically, light buff, shaded with deeper pink and orange at base of petals, distinct and attractive. Wyoming is another of the bronze-red foliage type having very large and broad leaves; growing five and six feet tall, commanding in appearance; individual flowers large; color, light to dark orange. Loveliness and other of the above company's varieties might be mentioned as desirable sorts, but the list given includes the best.

Vaughan, Chicago, showed a small number of Canna Fire Bird. For dazzling brilliancy of color this eclipses all of the scarlet sorts that have yet come under my observation. The individual flowers are very large. For

some reason or another this variety developed in the garden an undesirable trait of leaf scorch, the margins of the leaves scorching badly during the whole season which unquestionably militated against fine massive spikes of flowers being produced. This does not mean representative flower spikes were wanting, only that under more favorable conditions better might be expected. I trust that the trouble developed here is not an inherent one.

To prolong and enjoy the best possible display from cannas, an inflexible rule should be adhered to, of going over the beds once a week or ten days for the purpose of removing forming seed capsules. It would be well not to let them flower at all in the early season and until they are sufficiently strong to stand the flowering process. In this way a stronger plant is developed at an earlier period on which depends the larger number of succeeding growths, which in turn produces the largest grand total of flowering-spikes.

KENNETH FINLAYSON.

THE WASHINGTON ROSE GARDEN.

There seems to have been a misinterpretation in some quarters concerning the planting list of the Washington Rose Garden as included in the committee report read by Mr. William F. Gude at the meeting in Boston of the Society of American Florists and published in a recent issue of HORTICULTURE. The lists were simply to show where the plants were located and were prepared for the information of donors and the use of interested parties visiting the garden.

The arrangement of beds, as "yellow tea," "pink tea," etc., was tentative, but promises to work satisfactorily. The assignment to the beds was made entirely from catalogue description. This was taken from the donors' catalogues where practicable, and where not, from catalogues of other reliable firms. The breaks in the beds were caused by the inability of some firms to supply all the plants they had expected to send. The varieties with what might be called "mongrel descriptions" were distributed with the color to which they were most nearly akin as far as descriptions would suggest and space permit.

Places were only provided for teas, hybrid perpetuals and climbers, and other sorts were placed just wherever there happened to be room, as, for example, Dwarf Polyanthus, which are planted at several points. It is intended to transplant varieties as soon as practicable after it is found they are not properly placed in the scheme adopted.

The list must not be taken as a recommendation by the Department of Agriculture, either as to adaptability or color, but merely as a record of where the different varieties are growing. The Rose Garden has not yet been underway six months, so, of course, the studies have hardly begun. It will require several seasons' observations before any conclusions can be reached. Suggestions are at all times most welcome, as it is desired to arrange the garden so as to be as instructive as possible.

F. L. MULFORD,
Landscape Gardener,
U. S. Dept. of Agrl.

L. W. GOODELL'S SIGHT RESTORED.

L. W. Goodell of Pansy Park, Dwight, Mass., who has made the growing of pansies, asters, and verbenas specialties for over forty years is receiving the congratulations of his friends on the recovery of sight, after nearly ten years of blindness from cataract. A badly performed operation caused the loss of one eye five years ago. The other eye becoming affected a number of the best oculists in New England were consulted with the view of engaging the services of one of the most skillful that could be found for the operation on the other eye. The operation was performed Sept. 19, by Dr. David Harrower, who has had an experience of over twenty-five years and performed over seven hundred operations for cataract, ninety-eight per cent of which were successful. The operation was a perfect success and sight was restored as good as ever.

Mr. Goodell was a frequent exhibitor of cut flowers at the shows of the Massachusetts Horticultural Society, fifteen to thirty years ago and was one of the first to make large exhibits of water lilies and other aquatic plants. He has many old friends and acquaintances among the gardeners and florists in the eastern part of the state.

HOLLYHOCKS AGAIN.

In the issue of October 3 Mr. Lonsdale asks what percentage of hollyhocks come true. In our experience, there were hardly enough to say percentage. We had double ones of our own, from which we saved seed, and then we sent to the most reliable seedsmen and paid a high price for seed and planted them; most of them came single—hardly a double one in the lot. One year we saved seed of fine double red. A few came red, one or two nearly purple, two large double pure white. The only success we ever had was in planting seed from a clump about 80 rods from any other, and these I think were all double, some nearly purple, and one an immense pink—the largest and finest I ever saw. The bees are always very busy in the flowering season, and I think if the varieties are far enough apart, and the bees should visit them, that the flight shakes the pollen off so they come nearly true. It is a great vexation. We want everything true to name. We buy double ones, and they bloom single, and in selling them we sell a kick and have to replace.

-C. S. HARRISON.

Are you using Silkline for stringing up and tying your plants this fall? Or have you been induced by cheapness of price to buy some of the inferior green threads that are thrown on the market as substitutes for this standard article? Silkline is guaranteed full length and fast color and in serviceability far overbalances the few cents saved on cotton thread which quickly loses color and spoils the looks of everything on which it is used. Silkline is made especially for florists' use.

Fine Ferns Ready for Immediate Retail Sale

We offer the following varieties of Ferns in the sizes specified, which we have in perfect shape at this time.

Nephrolepis muscosa, 3½-inch, 25c; 5-inch, 50c each.

Nephrolepis elegantissima, 6-inch, 50c; 8-inch, \$1.00; 10-inch \$2.00 each.

Nephrolepis elegantissima compacta, 3½-inch, 25c; 6-inch 50c; 8-inch, \$1.00 each.

Nephrolepis superbissima, 6-inch, 50c each.

Nephrolepis magnifica, 5-inch, 50c each.

Nephrolepis Piersoni, 6-inch, 50c; 8-inch, \$1.00 each.

Nephrolepis Dwarf Boston, 8-inch, \$1.00 each.

Nephrolepis Harrisii, 6-inch, 50c; 10-inch, \$2.00 to \$3.00; 12-inch, very large plants, \$5.00.

F. R. PIERSON CO.
TARRYTOWN, NEW YORK

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Buddleia Asiatica

(White-flowered Winter Lilac)

An elegant pot plant suitable for general decorative purposes and cutting. Very fragrant.

Strong plants in 2½-in. pots, \$1.25 per dozen; \$10.00 per 100; 3-in. pots, \$2.00 per dozen; \$15.00 per 100.

Buddleia Officinalis

An excellent companion to Buddleia Asiatica with rose-pink fragrant flowers.

Strong plants in 4-in. pots, \$2.50 per dozen; \$20.00 per 100.

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6 South Market St., Boston, Mass.

Stuart Low & Co., Bush Hill Park Nurseries ENFIELD, ENGLAND

ORCHIDS, 25 houses full.

PALMS, 40 houses full.

FRUIT TREES for garden, 100 acres.

FRUIT TREES, pot grown for Orchard houses.

FIG TREES, pot grown.

GRAPE VINES, pot grown.

ROSES, field grown by the 100,000.

ROSES, pot grown for Pergolas and forcing.

CYCLAMEN SEED, very finest strain.

Headquarters in
England for These Lines.
Write for Catalogue.

Our representative will be in the United States during September and October and will be pleased to meet or give particulars to anyone interested. Address

Mr. Harry A. Barnard, Hotel Albert, University Place, New York City

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KENTIAS**



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WYNCOTE, PA.**

OLD TOWN NURSERIES 35,000 BERBERIS THUNBERGII

All Sizes. Write for Prices

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ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

CYCLAMEN

Best strain in existence.

4 inch \$35.00
8 inch 60.00
4 inch 75.00

THOMAS ROLAND,

Nahant, Mass.

PHILADELPHIA NOTES.

A meeting of the creditors of Robert Kift was held on the 13th inst. A receivership was decided on, but the appointment has not yet been made. Real estate operations extending over a number of years, which have proved unprofitable are the cause of the embarrassment.

Visitors—A. J. Stahelin, Redford, Mich.; W. H. Miesse and wife, Lancaster, Ohio; Fred S. Miller, Pres. Columbus Fl. Co., Columbus, Ohio; J. McD. Holtzinger, Cincinnati, Ohio; W. C. Langbridge, representing Jerome B. Rice & Co., Cambridge, N. Y.

PATENTS GRANTED.

1,112,558. Flower Stand. John M. Red, Saucier, Miss.
1,113,141. Land Roller. David Pullen, Hudson, Ky.

La Grange Park, Ill. — La Grange Nursery Co., capital stock, \$10,000. Incorporators, Henry Mehl, Peter A. Evans and Albert Peterson.

The value of trees and plants imported into New York during the week ending October 3, as reported by the collectors' office, was \$81,299.

JAPANESE Bamboo Canes

Just the thing for
Staking Plants and
Small Trees

Per Bundle

6 feet (1000 to bundle).....\$6.00
6 feet (2000 to bundle).....11.00
8 feet (1000 to bundle)..... 9.00
10 feet (500 to bundle)..... 6.00
12 feet (100 to bundle)..... 4.00
14 feet (100 to bundle)..... 5.00
16 feet (100 to bundle)..... 7.00

STUMPP & WALTER CO.

30 and 32 Barclay Street
NEW YORK

MISSION OF BEAUTY.

Read by C. S. Harrison, before American Peony Society in Chicago.

(Continued from page 325)

Beauty is the ultimate, the finish of all things. Your apple orchard is a flower garden in spring time and more beautiful in the fall when the ripened and fragrant fruit done up in red and gold peers from its leafy covers. When God produced the best—the strawberry, he was not satisfied simply to minister to the taste. He wraps it up in a tissue of beauty no brush can reproduce. When he finished the various regions of the earth He spread His beauty over them. The great Sahara, though a vast reach of desolation is often adorned with matchless beauty. The morning is ushered in mantled in glory. The gates of the evening are painted with molten gems with exquisite skill. There is a play of varying tints and colors on mountain, hill and plain. Sometimes a weird and mysterious light is spread over the sands so you seem walking on floors of gold. So delightful and inspiring are these desert scenes the Arabs call the Sahara the Garden of Allah. In our own land we have vast desolations which are called the Painted Desert. There are surprises of beauty awaiting you on every hand. There are petrified forests, hills, mountains and plains over which the clouds cast their exquisite shadings and tintings, transforming sands and rocks into gardens of radiancy. In the vast tundras of the North are fields of flowers of millions of acres. Even the Arctic night is brilliant with those moving pictures of flashing splendor. In the Tropics what treasures of loveliness. There are the exotics which embellish our greenhouses. There are the famous orchids for which men have laid down their lives. All through our Northland how entrancing were our forests. In the East the kalmias, azaleas and rhododendrons. In the West the viburnums, and hosts of ornamentals. In the mountains the most beautiful trees on earth held in reserve for the supremest adornment. Even the oceans are not forgotten. The floors of the sea are embellished with surpassing loveliness. In the bay of the Catalina Island people go out in boats with glass bottoms so they can look into the deep where sea flowers are at their best. Some of you have heard of that wonderful feather of the Bermuda seas. The young man, William Phips, heard of a Spanish vessel bearing enormous wealth which struck a reef and went down. Phips saw one of the survivors 50 years after and determined to find the vessel. What a task, worse than finding a needle in a hay stack. But he went to England and secured a man-of-war and went on his quest of finding a vessel in a vast ocean. He anchored in that southern sea and sent a crew in a great canoe. The men were despondent. What show had they of finding a ship lost 50 years ago? One of the men looking down saw an immense sea feather, the largest ever seen. They sent an Indian diver down to tear it loose. He came up with bulging eyes. "What great guns there was down there." They found the sunken ship guarded by that sea feather. They took from

the vessel 300,000 pounds in gold, silver and jewels. The young man was knighted and afterwards appointed Governor of Massachusetts.

God has neglected no part of the earth. There is adornment of some kind even for the desolations. Who can describe the splendor of our mountains. What a play of light and shade when the clouds are shimmering over hill and plain. Often in my summer cottage the clouds would come over the summit of Nebe and come down like a flock of sheep to drive away my weariness by their reviving presence. One time I was in a valley hemmed in by the mountains and the clouds spread over it with fringes resting on the summits. It was like a vast umbrella and over it all shone a mysterious light so that it glowed like a vast opal. It was one of the most resplendent scenes I ever beheld.

Our Slogan Is "Beauty Is Wealth."

There are Eldorados and Golcondas in the fields of floriculture and horticulture as well as the mineral kingdom. I stood by the original Concord grape-vine in that quiet village where it was born and could but say "You grand old mother, you little know your worth or realize what you have done. Think of the trainloads on trainloads of fruit which have gone from your branches. You have been worth millions." Think of the discoveries in fruits. The Wealthy, Grimes Golden, Jonathan and Delicious and others which have come to reward the toil of the orchardist. These present successes are the promises of future discoveries. It seems to be a law of nature that the nearer a plant is to the original the greater the tendency to revert. Removed as far as possible from its primal parentage the greater the tendency to break out into a wild abandon of loveliness. Take the original single dahlia. What has been the results of the thousands of efforts for its improvement? So that at present we have several distinct species so divergent their own mother would not know them. The carnation was a demure and humble little flower but what changes have been made so that she now stands out in her queenly beauty. The phlox was like a wild Indian maiden, homely and hardy. But in the hands of the skilled florist of Europe she comes back to us as a princess fit to adorn the courts of kings. The canna was an insignificant flower mostly prized for its foliage, but by skill and patience, one man making 40,000 crosses, we now have a queen among our flowers. The single flower is the product of nature, the double flower the product of nature and art, joint victory of God and man. What gains have been made in the peony, 3000 named sorts and more to follow. The new creations give promise of ultimate successes. What a scene of splendor a field in bloom presents, billows of fragrance floating there until you seem walking in Elysium. There is a carpet for the touch of angels' feet. And there is the coming flower, the iris. "Oh nothing but the flag," cries prejudice, "that grew in the swamps." Sooner or later we are going to drag people away from the swamps and show them the grandest

family of flowers that God has yet given to mortals, a continuous bloom which glorifies two months of the year, reaching from the tiny and brave fumilla to the tall giant which brings up the rear. What superb blooms, with garments woven from the sunset and rainbow, combining all the beauty of sky and earth. Many of them have a delicious fragrance and some have a radiant and glistening reflex like that of the richest silk. New creations are coming fast. There are some of the newer sorts of immense flowers and there is a new one which grows from 5 to 6 feet tall. There should be a united campaign of publicity to push this royal flower to the front where it belongs. We want a united effort at publicity. Give the same attention to flowers that is now given to fowls and animals and you will glorify the earth. Among the Egyptians the cat was deified. With us it is the hen. In India they had the sacred bull and now we have the sacred cow which gives her 1000 pounds of butter a year. Thousands should be expended to proclaim the value of our ornamentals. Here we stand on fields won by others and it is our province to follow up their successes. Pleasure and cash invite you. Grand old Festiva maxima has been worth over a million. A carnation sold for a fabulous sum and that was the beginning of its value. How much is now invested in flowers and new greenhouses going up all the time.

What of the future? We spend most of our time over there. We do not get through with our work down here. Heaven is more than a divan and a song—a loafing place with a hallelujah attachment. "My Father worketh hitherto and I work." Up there His servants serve Him night and day. This world of ours has about 80 constituents. Nearly half of them have been thrown down to us by these heavenly tramps, the meteors. The spectroscope tells us what is burning in the distant suns.

When we stand on the margin of the glorified vastness of God and see as God sees, with no diminution of objects in ratio to the distance and the universe rises before us to give its salutations, as Caanan rose to the vision of Moses, then we shall feel that we have come to our own and the infinite within us touches the infinite beyond us.

PERSONAL.

Henry Gibson, formerly at Tuxedo Park, N. Y., has taken the position of gardener on the estate of Mr. Colgate Hoyt at Oyster Bay, N. Y.

Julius Koenig, City Forester of St. Louis, went to Terre Haute, Ind., last week and took upon himself a wife. The lucky young lady was Miss O. E. Miller.

Hartford, Conn.—Spear & McManus, No. 242 Asylum street, celebrated the opening of the fall season on October 8, by giving roses to everybody who would simply step inside the store, where the roses were handed out. This innovation met with instant success, and before 10 o'clock in the morning 5,000 roses had been given away, and this continued all day.

BODDINGTON'S "QUALITY" CHRISTMAS-FLOWERING SWEET PEAS WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will again be scarce this season. The winter-flowering Spencer types are almost a total failure owing to the exceptional season in California this Spring, and through the ravages of Aphids.

We regret that our stocks of YARRAWA and ANITA WEHRMAN are entirely exhausted, also many other good varieties, but we can still offer the following while stocks last. Order at once to avoid disappointment—remembering that our stocks are true to name and while a little higher in price, will save you money in the long run.

ROSE QUEEN "ROSE QUEEN" is Orchid-flowering, borne on long stems, extremely free and early and of pink color most attractive, is a decided acquisition, and like all meritorious novelties is sure to be in demand wherever grown. Prices: Trade pkt., \$1.00; 3 trade pkts. for \$2.75; 1 oz., \$12.00.

THIS ADVERTISEMENT CAN BE USED AS AN ORDER SHEET

Remember, you may deduct 5% if cash accompanies the order.

	Oz.	¼ lb.	½ lb.	Lb.
...BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—Will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting.....	.25	.075	.125	2.00
...BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months.....	.15	.50	.85	1.50
...BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer.....	.15	.50	.85	1.50
...CANARY. Similar to the Christmas White, but flowers of an exceptionally good yellow.....	.35	1.00	1.75	3.00
...FLORENCE DENZER. Pure white.....	.25	.75	1.25	2.00
...LE MARQUIS. This is the same color as Princess of Wales violet; has very large flowers.....	.35	1.00	1.75	3.00
...MISS HELEN M. GOULD. White, open flower; standard lilac, marbled.....	.35	1.00	1.75	3.00
...MISS JOSEY REILLY. Lilac; very large flowers.....	.35	1.00	1.75	3.00
...MRS. ALEX. WALLACE. Lavender; very scarce.....	.25	.75	1.25	2.00
...MRS. HANNAN. Deep rose pink; very pleasing shade.....	.25	.75	1.25	2.00
...MRS. WILLIAM SIM. Salmon pink.....	.25	.75	1.25	2.00
...MRS. W. W. SMALLEY. Satiny pink.....	.25	.75	1.25	2.00
...MRS. F. J. DOLANSKY. Daybreak pink.....	.50	1.50	2.25	4.00
...MRS. CHAS. H. TOTTY. Sky blue; late.....	.25	.75	1.25	2.00



Sweet Peas of C. W. Curtis, Irondequoit, N. Y. Raised from Boddington's Quality Seed.

	Oz.	¼ lb.	½ lb.	Lb.
...MRS. ZVOLANEK. Blue, variegated; good for variety.....	.50	1.50	2.75	5.00
...WATCHUNG. Pure white.....	.25	.75	1.25	2.00
...WM. J. STEWART. Blue self.....	.35	1.00	1.75	3.00

Please write your name and address here and mail order today.

NAME.....

STREET ADDRESS.....

CITY.....STATE.....

Arthur T. Boddington, *Seedsman*

342 West 14th Street, NEW YORK

CATALOGUES RECEIVED.

Kelly Bros., Danville, N. Y.—Wholesale Nursery Catalogue, Fall, 1914. "Direct from Grower to Planter."

Alonzo J. Bryan, Washington, N. J.—Illustrated sheet of special surplus plant stock. A big variety, at low rates.

J. Bolgiano & Son, Baltimore, Md.—Bolgiano's 1914 Bulb Book. Planting plans, planting instructions and practical pictorial illustrations make this a very useful publication.

Brookland Gardens, S. E. Spencer,

prop., Woburn, Mass.—List of choice gladioli for garden planting and for florists' special use. Portrait of Gladiolus Mrs. Frank Pendleton.

Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.—Wholesale Trade List of Hardy Perennials, Rock Plants, Rhododendrons, Aquatics, etc. McHutchison & Co., New York City, are American agents.

A. T. Boddington, New York City—Garden Guide for Summer and Autumn, 1914. A study of Poetaz narcissus in green, red and gold makes a very enticing cover page design. The

list presented is a first-class one in all classes of spring-flowering bulbs.

R. & J. Farquhar & Co., Boston—Autumn Catalogue. The front cover illustration shows a bank of Trillium grandiflorum in bloom on the border of a pond in springtime. Spiraea rubens is the subject of a special illustration also. This 80-page catalogue is full of tempting suggestions for the garden planter who wants to have a spring display of choice things.

Howell Nursery Co., of Knoxville, Tenn., reports business good, and they making fall shipments.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

California Notes.

The California seed growers have by this time made practically all their shipments on contracts, with the exception of those for France and Germany, which had placed very large contracts. No difficulty was experienced in shipping to England, and it is expected that the French stock will soon go forward. There is practically nothing left that would be available for the eastern trade, though local requirements are pretty well covered. Planting of the root crops for seed is now under way, and is on a very conservative scale, growers being disposed only to cover their contracts. The leading local dealers are pretty well stocked with imported seeds, though the outlook for the future is doubtful.

The principal matter of interest is the arrival this week of the first shipments of Holland bulbs, about a week late. These are being distributed as fast as possible, and have found a lively demand wherever shown; though on the whole the retail trade in bulbs, as well as seeds, is still awaiting the first good rain. Owing to the Exposition, and the number of visitors expected next year, private gardens are receiving more than usual attention, and a heavy business is anticipated when the planting season once gets under way.

A Fair Exchange.

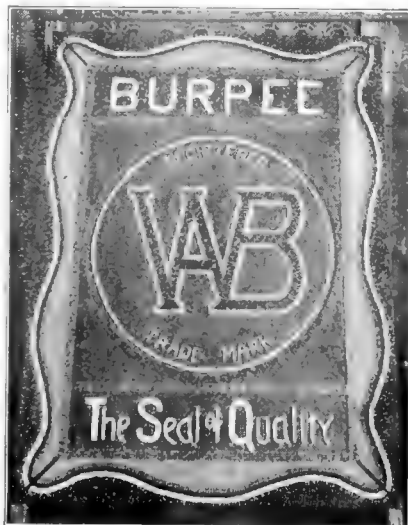
A good many people labor under the delusion that we are dependent upon Germany for Asters, but for ten years at least, I have never touched

anything but American grown seed, and when I am told by market growers and journalistic friends, that they never saw such Asters as I cultivate, I assume that I have something better than the average. * * * I might add that a well-known market firm has for several seasons been growing seed for a big American house, of the giant-flowered pink Antirrhinum that is so popular in U. S. W. A. T. in Hort. Trade Journal.

London, Eng.

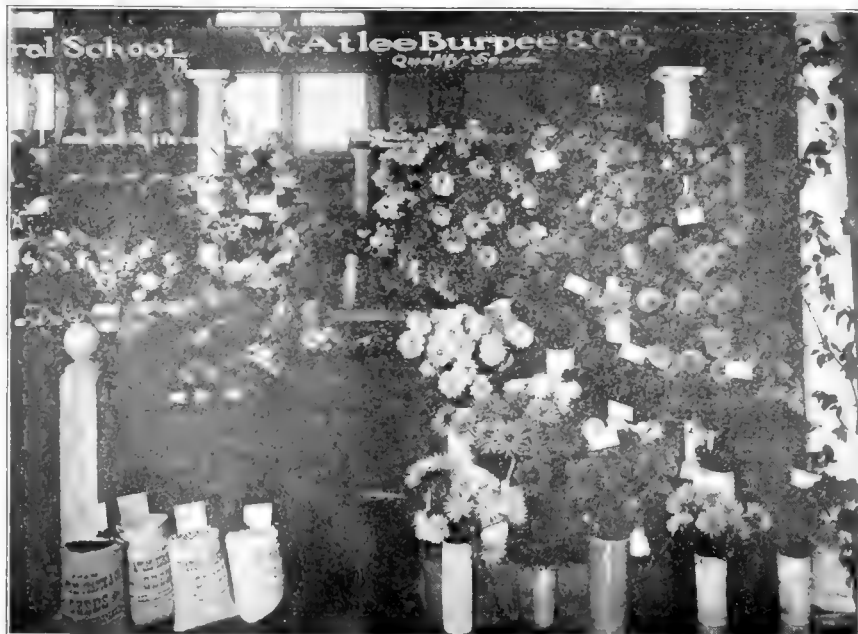
Good Advertising.

As every seedsman knows, Burpee is a resourceful advertiser. The ac-



companying picture shows the trademark sign described in our issue of last week which was a feature of the Burpee display at the Truckers' Convention in Philadelphia. It was composed of seeds of beans and corn, 6 feet by 9 feet—the work of W. F. Therkildson and his assistants. The other picture shows a portion of the general seed and flower exhibit of the same house.

The Philadelphia Convention of the



BURPEE EXHIBIT AT TRUCKERS' CONVENTION

BULB HEADQUARTERS

Hyacinths
Tulips
Narcissus
Freesias
Lil. Formosum
Lil. Giganteum

Also all other Bulbs, Seeds and Supplies for the Florist.

Send for our New Wholesale Catalogue and Price List if you haven't received a copy. It's free for the asking.

Henry F. Michell, 518 Market Street, PHILADELPHIA, PA.

BULBS SEEDS ROOTS

For Fall Planting or Forcing

EXHIBITION QUALITY

Best Values in Boston.

THOS. J. GREY CO.

32 So. Market St., Boston.

truckers was the biggest they have had. On October 7 a trip of inspection was conducted to Bridgeton, New Jersey, to the Seabrook Farms and the Minch Brothers' farms, and it was a very enjoyable affair, the entire party taking a ride through the South Jersey trucking sections, and being entertained by the Bridgeton Chamber of Commerce in their splendid little park. This excursion was given under the auspices of the Skinner Irrigation Co., of Troy, Ohio, who furnished a special train, and all were their guests.

Arthur T. Boddington is now in North Carolina, inspecting the canna and tuberose crops.

BUSINESS TROUBLES.

Chicago, Ill.—George A. Pieser, 3756 Cottage Grove avenue, liabilities, \$3,252.00.

Winthrop, Mass.—Eunice B. Belcher, florist, liabilities, \$3,453.28; assets, \$328.16. Voluntary bankruptcy.

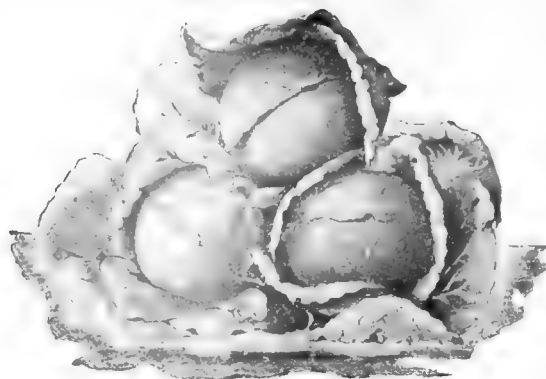
The town of Scituate, Mass., is the winner in the tree contest conducted by the Massachusetts Forestry Association. Fifty-eight cities and towns entered the planting contest that began last spring and closed in July. In all, 12,498 trees were planted, which has added at least 60 miles of trees to the Commonwealth. West Tisbury had planted the greatest number of trees in proportion to population, but lost first place because the Scituate trees were of better quality and more carefully arranged. Marshfield won third place.

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO ONION SETS
Write for Prices

At 69 cents per lb.

F. O. B. TENERIFFE, packing extra.

**YELLOW AND RED
BERMUDA ONION SEED
FOR ONION SETS**

Several small growers in Teneriffe have given me the commission to offer and clear their surplus stock of 1914 onion seed at the above low price, subject to being unsold. Terms C.O.D. Cable orders to FEDERICO VARELA, TENERIFFE, and sign your full name. THIS OFFER IS OPEN TO SEEDSMEN ONLY.

GARDEN SEED

BETT, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Dey St., NEW YORK
and ORANGE, CONN.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

**JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.**

MY NEW LIST OF

Winter Spencer Sweet Pea Seed
Has been mailed. If not in your hands now, send a postal for it.

**ANT. C. ZVOLANEK
Lompoc, Cal.**

J. W. Edmundson, Mgr. M. W. Williams, Sec'y
**California Seed Growers
Association, Inc.**

**Growers For Wholesale Dealers
SAN JOSE CALIFORNIA**

WHAT ABOUT THAT BULB ORDER

We are now prepared
to take care of your
entire wants

Send for Our Fall Catalogue

JAMES VICK'S SONS, Rochester, N.Y.

Place your order now for Ayres' Winter
Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.
"Renowned Sweet Pea Specialists"
SUNNYSLOPE, INDEPENDENCE, MO.

NEW CROP SEEDS

FOR FLORISTS
Ask for 1914 Catalogues
Joseph Breck & Sons Corp.
Seedsmen
47-54 No. Market St., BOSTON, MASS.

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest
flowers and vegetables back of them—
carefully selected—really tested.
Write today for Catalog.
CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT



Freesia Purity Bulbs

1 1/2-in. diam., 1 1/4-in. long.
Per 100, \$2.00 Per 1000, \$10.00
Extra Mammoth Bulbs,
\$3.00 per 100

Refracta Alba

3/8 to 1/2 inch \$3.00 per 1000
1/2 to 3/4 inch 5.00 "
3/4 inch and upward ... 8.50 "

Lilium Harrisii

(Bermuda Easter Lily)
5 to 7 inches in circumference
\$5.50 a hundred \$45.00 a thousand
7 to 9 inches in circumference
\$10.00 a hundred \$85.00 a thousand
And all other varieties at
reasonable prices.

Also a few cases Cold Storage
Lily of the Valley Pips

Cases of 250 each for..... \$4.50
Cases of 500 each for..... 8.00
Cases of 1000 each for..... 15.00

Ask for a copy of our Bulb Catalog and Special Prices to Florists

J. M. THORBURN & CO.

Established 1802
53 Barclay Street - New York

New Crop Seeds

FOR FLORISTS AND MARKET
GARDENERS.

SALVIA—Splendens, Bonfire.
ASTERS—All varieties.
VERBENA—SWEET PEAS.

Send list of wants.

**Stamford Seed & Nursery Co., 43 Atlantic St.
STAMFORD, CONN.**

J. BOLGIANO & SON
WHOLESALE FIELD AND GARDEN SEEDS
Established 1818

Write For Our Low Prices

**LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.**

S. S. SKIDELSKY & CO.
BULBS, PLANTS and SEEDS

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611 FIFTH AVENUE
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
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Or OUT-GOING STEAMERS

Write or Telegraph

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Telephone 1552-1553 Columbus

Established 1874

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"Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

NEW YORK CITY

AND VICINITY

A. WARENDORFF

Artistic Work. Reasonable Prices.
Prompt Delivery of Steamer Orders.
1193 Broadway, My Only Store

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New
York cities and
towns.

Palmer's

304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

When writing to advertisers kindly
mention HORTICULTURE.

**Of Interest to Retail
Florists**

SEEN IN MOBILE.

Florists in the "sunny south" have had rather a better summer trade than the northern florists. That oft-quoted cause of little summer business, the prevalence of garden flowers, does not seem to apply here where there are flowers everywhere practically all the year round. The writer visited Mobile, Ala., last week and found florists selling out-of-door flowers with a very fair supply of indoor roses to supplement them.

Miss Maria Minge, who has a downtown store and a range of glass farther out, and has an old established business says that she depends upon Radiance for her winter rose, with a splendid crop always on for Christmas. Bulgaria is just now coming into bloom. Cecil Brunner is a splendid little rose here the year round. Poinsettias, the mainstay of the northern florists for the home, is a vexatious problem here in Mobile. If the weather is fine, the plants are blooming out-of-doors in quantities and if not, then greenhouse stock is demanded by customers and the florists have to take these chances each year. All well-kept lawns have immense poinsettias that may or may not be in bloom at Christmas but no one can foretell in time to prepare indoor stock.

Claude M. Ravier came to Mobile forty years ago and his greenhouses were among the first erected here. At his death five years ago the business conducted under the name of Ravier & Sons was continued under the same name by the sons, Louis and Fred, who have a fine business. All four of the florists' papers are taken by these brothers which is proof enough that they are progressive. A box of roses came from Chicago while we were there and seemed as fresh as if just cut.

Azalea plants are not used largely for forcing here as the plants live to reach great size and bloom out-of-doors in February. A very graceful vine grows here in profusion, covering the porches and bearing a cerise flower similar in shape to a spirea. They call it Mexican coral here.

Mobile has little to boast of in city parks, but it has one square, right in the heart of the business district, which is ideal as a shady resting place. It belongs to the children of Mobile, having been given to them for a playground years ago and it is always filled on warm evenings. With its immense old trees, its fountain and its lights, it forms a picture never to be forgotten. With all credit to the northern landscape artist, nature can easily surpass his best efforts here for there is a grace and beauty in the palms that a lawn can get from nothing else and they give a dignity to railway stations and public buildings that no other plants can furnish. The Phoenix carnariensis, Latania borbonica and Cycas revoluta are perfectly hardy here and assume immense proportions.

M. B. HANCOCK.

W. W. Kennedy & Sons, 5 E. Front street, Red Bank, N. J., is the latest addition to the membership of the Florists' Telegraph Delivery Asso.

**JOHN BREITMEYER'S
SONS**

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

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FLORISTS

Telephones 1501 and L 1582

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A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WILLIAM J. SMYTH

Cor. Michigan Ave. and 31st St.,

CHICAGO, ILL.

Member Florists' Telegraph Delivery Asso.)

We ship to all points in Illinois and Iowa.

Phones Aldine 880 Aldine 881 Aldine 882.

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Member of the Florists' Telegraph Delivery.

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

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Rochester, N. Y.

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FLORISTS

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Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George Asmus, Mgr.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.
Cleveland, Ohio—Adam Graham & Sons, 5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Montreal, Can.—Hall & Robinson, 825 St. Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770 St. Catherine St., West.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
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New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth Ave.
New York—Thos. F. Galvin, Fifth Ave., at 46th St.
New York—A. Warendorff, 1193 Broadway.
New York—J. H. Small & Sons, 1153 Broadway and Waldorf-Astoria.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
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Stamford, Conn.—"Quality Shop," Stamford Seed & Nursery Co.
Tarrytown-on Hudson, N. Y.—F. R. Pierson Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Washington, D. C.—F. H. Kramer, 915 F St., N. W.
Washington, D. C.—J. H. Small & Sons, cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop, 3 Pleasant St.

NEW FLOWER STORES.

Norfolk, Va.—East End Floral Co., 224 Church street.
Philadelphia, Pa.—E. R. Martin, 1418 South 52nd street.
Buffalo, N. Y.—Aust & Gottevald, 392 Genesee street.
Orange, N. J.—"Oranges' Flower Shop", 272 Main St.
Middletown, O.—G. A. Beckmann, 428 East Third street.
Easthampton, Mass.—G. H. McIntyre, Bosworth building.
Albany, N. Y.—George Russell, South Pearl and Westerly streets.
San Francisco, Cal.—Presidio Flower Shop, Union and Fillmore streets.
New York—Thomas Young, Jr., 541 Fifth avenue, two doors from south-east corner of 45th street.

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Member Florists' Telegraph Delivery Association

NEWS ITEMS FROM EVERYWHERE

BOSTON.

J. B. McDonald, formerly with S. Hoffman, has joined the staff of Wax Bros.

The Boston Flower Exchange will have its annual meeting and dinner at Young's Hotel on Saturday evening, October 24.

Among the new stall-holders at the Boston Flower Exchange are J. J. McCormick, of Malden, and Robert Doherty, of West Medway, Mass.

Thomas J. Grey Co., have an attractive booth in the women's department of the big food fair now running at Mechanics Building. Artistically arranged by Peter M. Miller.

D. Iliffe is building a storage house for orange trees on the Brandegee estate in Brookline. He has just installed two boilers in the Back Bay conservatories of Thos. F. Galvin, Inc.

Penn, the Florist, states that he spent over \$18,000 in advertising last year, most of it in the newspapers. Results from the cards inserted in the trade journals were very satisfactory.

The new rose Ophelia has made a prompt and substantial place for itself with the Boston trade. As a popular light pink rose it has pushed all others in its class into the back-ground.

Carnation Day was observed by the charitable institutions in Winchester, Mass., Oct. 17. J. M. Cohen supplied 15,000 carnations to be distributed among the various hospitals and other institutions.

Harry Quint expects to open up his store at 199 Tremont street by October 19. The work of rebuilding the front has been held up by the "red tape" of the Building Commissioners, but it is progressing rapidly now.

As regards the Mrs. Charles Russell rose, H. M. Robinson & Co. state that they have been shipping over 6,000 blooms of this variety daily, which would seem to demonstrate its popularity in this market, at least.

Sweet peas have been a rarity in the market during the last few weeks and at this early date Wm. Sim, of Cliftondale, and F. Bell, of Stoughton, seem to be the only growers sending them in to this market in any quantity.

W. S. Phelps, of Marlboro, has leased Edward Wood's place at Lexington. Mr. Phelps intends to grow a general stock of flowers and plants. E. W. Austin, who formerly leased this range, left during the night some time last June.

A. M. Davenport, of Watertown, has received from Belgium several shipments of azaleas, about 10,000 in all. Other growers have experienced little difficulty in receiving their goods from Belgium, although several shipments are still on the way.

N. Fishelson, of Copley Square, has joined the firm of J. Kopelman & Co., of Providence. This firm is now making extensive additions to their range at Oaklawn, near Providence. Mr. Fishelson's son, Max, is now in partnership with his father and has charge of the Boston store. He has recently become engaged to Miss R. Lando, of Paris, France.

The announcement that President Farquhar has been unanimously re-nominated for a third term as president of the Massachusetts Horticultural Society will be read with pleasure and approval by all who know how earnestly Mr. Farquhar has labored for the interests of this great society. The rare honor which it has conferred upon him is a just and proper recognition of faithful service.

H. Huebner of Groton, Mass., who is well known as an intelligent experimenter on new flower specialties recommends the growing of *Acidanthera bicolor* for the Boston market. He has had much success with it this season. *Acidanthera bicolor* is a bulbous plant, with requirements similar to the gladiolus. The flowers are white with violet-maroon blotches, deliciously perfumed, borne on long stems and very lasting.

The new firm of Houghton, Gorney & Co., mentioned in a recent issue, is composed of F. H. Houghton, E. S. Gorney, Ellis Gorney and Samuel Krawitz. The new store is being rapidly brought to completion.

Among the features will be the decorations in white and violet, a new orchid and violet case with tiled bottom, and the novel arrangement of the refrigerator doors. Mary Elizabeth's Tea Room, next door, will be connected at the back of the store by a door and an eight foot show window.

WASHINGTON.

Gude Bros. Company furnished in the neighborhood of 2,000 bouquets of roses for free distribution by the shoe firm of Robert Beberich's Sons Co., of this city, on the occasion of the latter's forty-sixth anniversary celebration.

Large fern and palm sales are at present being held in all of the stores and it is reported that good business is being done in this line. The stock as a whole is as good as has ever been seen in the city and the people are taking advantage of the opportunity offered them.

All licenses issued by the assessor of taxes for the District of Columbia for the conduct of flower stores and stands expire the last day of this month, and a notice emanating from the assessor's office states that all florists who desire to continue in business after that time should promptly apply for a renewal of their licenses.

The announcement recently made that there would be a flower show this year in Washington not having met with any great enthusiasm on the part of the growers and storemen, it was decided at the October meeting of the Florists' Club of Washington, D. C., that it would be inadvisable to go ahead with these plans.

Following an informal report made by several club members who attended the recent dahlia and canna show given by Richard Vincent, Jr., at White Marsh, Md., a resolution was adopted extending a vote of thanks of the club to Mr. Vincent in appreciation of the many courtesies shown the local florists while his guests.

J. H. Small & Sons were the decora-

tors of the Red Room of the New Willard Hotel on the occasion of the Cotton Goods Show, which was given by a local society woman in connection with the buy-a-bale of cotton movement. The decorations included the use of large quantities of cotton bolls attached to branches and in festoons and huge palms and quantities of roses and dahlias backed the models and booths and lined the walls.

The increasing of prices on materials was the matter of an informal discussion by the Florists' Club of Washington. It was felt that some of these increases were unwarranted. A number of the local florists advocated the use of more flowers and smaller amounts of ribbons and chiffons. It was pointed out that there has always been a great waste of materials, that in a majority of cases two and three times as much ribbon or chiffon was used in the making of a bow than the price of the design warranted.

The new style of wearing flowers on the shoulders rather than in the shape of corsage bouquets should lead to the sale of the higher-priced stock such as orchids and gardenias. On the F street promenade in the afternoons are to be seen young ladies displaying a single blossom. It remains for some enterprising florist here to introduce the "Wilson Shoulder Knot" for it was one of the daughters of President Wilson who inaugurated this style. The wearing of the flowers on the shoulder rather than as corsage saves them from being crushed while the wearer tangoes or turkey trots.

CINCINNATI.

P. J. Olinger reports that his wife who is now visiting relatives in Aurora and Evanston, Ill., is greatly improved in health.

Mr. and Mrs. Gus Adrian returned a fortnight ago from their summer's stay in the north. Mrs. Adrian's health has improved greatly.

Elmer D. Smith & Co., of Adrian, Mich., exhibited his new yellow chrysanthemum Golden Queen in this city. The flowers were large, well formed, incurved and made a distinct hit with local florists.

John C. Moninger Co., of Chicago have opened a branch office at 2309 Union Central Bldg. Otto Hirschfeld is in charge. Mr. Hirschfeld and Rudolph E. Kurowski motored down from Chicago at the end of last week.

CHICAGO And Neighboring Towns

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SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

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CALIFORNIA NOTES.

A. Mitting, of Santa Cruz, Cal., has gone east to arrange for marketing the bulbs produced by various growers in that district.

A chrysanthemum show is to be held at Willows, Cal., October 18 to 21. As far as is known here, no professional growers of any note have arranged to enter.

C. Moll, a landscape gardener who has done considerable work in the new residence districts around Sacramento, Cal., is starting a nursery in North Sacramento.

The San Francisco Park Commissioners have directed Park Superintendent McLaren to plant poppy seeds on all hillsides, ridges and barren spots in Golden Gate Park.

The first shipment of materials for the Japanese Government exhibit at the Panama-Pacific Exposition has just arrived on the Shinyo Maru. The exhibit will include a 4-acre garden, for which the top soil, rocks, trees, shrubs, etc., will be brought from Japan. This is expected to be one of the most beautiful features of the fair. The general landscape gardening of the Exposition grounds is now practically complete.

VISITORS' REGISTER.

San Francisco, Cal.—E. H. Rust, Los Angeles, Cal.

Boston—H. Huebner, Groton, Mass.; J. J. Karins representing H. A. Dreer, Phila.

St. Louis, Mo.—E. J. Fancourt, of S. S. Pennock-Meehan Co., Philadelphia; Arthur Gross, Chicago.

New York City—George Robinson, Sup't Parks, Gloversville, N. Y.; John Giroux, Patchogue, N. Y.

Knoxville, Tenn.—Mr. Alexander, of Atlanta, Ga.; Mr. Kannady, of Roanoke, Va. and Mr. Hooper, superintendent of Hollywood Cemetery, Richmond, Va.

New York City—H. A. Barnard, representing Stuart Low & Co, London, Eng.; Fred. Lautenschlager, representing Kroeschell Bros., Chicago; R. Vincent, Jr., Whitmarsh, Md.

Kansas City, Mo.—J. A. Peterson, Cincinnati, O.; J. J. Karins, representing H. A. Dreer, Phila., Pa.; Walter Mott, representing Benj. Hammond, Beacon, N. Y.; E. J. Fancourt, representing S. S. Pennock-Meehan Co., Phila., Pa.

Cincinnati—J. Bayersdorfer, representing H. Bayersdorfer & Co., Philadelphia, Pa.; Joseph Hill, Richmond, Ind.; Fred. Longren, Chicago, Ill.; W. Allen Barber, Dayton, O.; Rudolph E. Kuroski, vice-president of John C. Moninger Co., Chicago.

Philadelphia—A. J. Stahelin, Redford, Mich.; W. H. Miesse and wife, Lancaster, Ohio; Fred S. Miller, Pres. Columbus Fl. Co., Columbus, Ohio; J. McD. Holtzinger, Cincinnati, Ohio; W. C. Langbridge, representing Jerome B. Rice & Co., Cambridge, N. Y.

Washington, D. C.—Charles E. Meehan, representing S. S. Pennock-Meehan Co., and Joseph Goudy, representing H. A. Dreer, Philadelphia; P. VanMolle, representing Bobbink & Atkins, Rutherford, N. J.; James W. Heacock, of Joseph Heacock, Wyncote, Pa.



THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing advertisers kindly mention HORTICULTURE.

BE SURE that you get the MEYER GREEN SILK LINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILK LINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILK LINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

Obituary

Lillian A. Shaw.

Lillian Austin Shaw, eldest daughter of J. Austin Shaw of Brooklyn, N. Y., died on Friday, October 10, at Clarks-ville, N. Y., after a long illness. Miss Shaw was a very refined and lovable young lady and her heart and life and vivacity were always those of perpetu-



LILLIAN A. SHAW

al sunshine. HORTICULTURE joins fervently with the myriad friends of Mr. and Mrs. Shaw in sincere sympathy in their sorrow. The funeral took place at Brooklyn on Monday, when a great number of floral tributes almost filled one end of the church, including numerous tokens from the New York and Brooklyn florist trade, many of them being afterwards sent to the hospitals. Miss Shaw is survived by her parents and two sisters.

Henry B. Mouillerat.

Henry B. Mouillerat, for many years superintendent of the R. B. Dodson place in West Islip, N. Y., died suddenly of hemorrhage of the brain at the Ross sanitarium in Brentwood on Wednesday, Oct. 7. Mr. Mouillerat had been ill for about three months, but was able to attend to his duties until a few days before his death. He went to the sanitarium on Tuesday

and the announcement of his death came as a shock to his friends. He was born at Woodside, and was 34 years, 11 months and 12 days of age. He was highly esteemed by his employer and by a host of gardener friends. Besides his monther, Mrs. Victor M. Mouillerat, he is survived by his sister, Mrs. James J. Teeling, of Newark, N. J.; his widow and four children. He was a nephew of the late Mrs. J. F. Huss of Hartford, Conn.

Morgan Miles.

Morgan Miles, for more than forty years engaged in the nursery business at San Jose, Cal., died October 4, at the home of his daughter in Santa Cruz. Mr. Miles was 75 years of age, and came to California via Cape Horn in 1853.

John M. Griffith.

John M. Griffith, founder of the firm of Griffith & Turner Co., Baltimore, Md., died at his home in Lutherville, October 4, aged 77 years, apoplexy causing his death. He had been engaged in the seed business for over fifty years. His widow, one daughter and two sons survive him.

Considerable interest is taken in the announcement that a new retail flower shop is to be opened in the principal shopping district in San Francisco, at 233-235 Grant avenue, across the street from the old established store of Podesta & Baldocchi. The store is now being fitted up, and is expected to open about Nov. 1. It is reported that it will be conducted by Mr. Joseph, who has been for many years in charge of the art department of the White House department store.

KOMADA BROS.

Manufacturers of all Kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.

1129 Arch St., Philadelphia, Pa.

IRISH FIRE FLAME

The choicest novelty in yellow roses. Our grower has commenced cutting this rose in quantity. When you want some out of the ordinary in yellow, try Fire Flame.

THE LEO NIESSEN CO.

N. W. Cor. 12th and Race Sts.

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IF YOU

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want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

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THOSE
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BY THE

Boston Florist Letter Co.

66 PEARL ST. BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
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If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 12	CHICAGO Oct. 5	BUFFALO Oct. 12	PITTSBURG Oct. 5
Roses				
Am. Beauty, Special.....	20.00 to 30.00	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00
" " Fancy and Extra.....	15.00 to 20.00	10.00 to 15.00	15.00 to 20.00	12.50 to 15.00
" " No. 1.....	10.00 to 15.00	5.00 to 10.00	8.00 to 10.00	6.00 to 10.00
Killarney, Richmond, Extra.....	4.00 to 6.00	5.00 to 6.00	6.00 to 7.00	6.00 to 8.00
" " Ordinary.....	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	4.00 to 5.00
Hillingdon, Ward, Sunburst, Extra.....	4.00 to 6.00	5.00 to 8.00	6.00 to 7.00	6.00 to 8.00
" " Ordinary.....	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	3.00 to 5.00
Maryland, Sawyer, Taft, Extra.....	4.00 to 6.00	5.00 to 8.00	6.00 to 7.00	6.00 to 8.00
" " Ordinary.....	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	3.00 to 5.00
Russell, Hadley.....	to	3.00 to 15.00	5.00 to 7.00	to
Carnations, Fancy.....	to 2.00	1.00 to 1.50	2.00 to 2.50	to 3.00
" " Ordinary.....	to 1.50	to 1.00	1.00 to 2.00	to 1.00
Cattleyas.....	15.00 to 50.00	35.00 to 50.00	40.00 to 50.00	30.00 to 50.00
Lilies, Longiflorum.....	8.00 to 10.00	5.00 to 8.00	10.00 to 12.00	10.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Violets.....	to .50	1.00 to 3.00	.40 to .60	to
Corn Flower.....	to	to .....	.25 to .50	to
Chrysanthemums.....	12.00 to 18.00	6.00 to 20.00	5.00 to 15.00	12.50 to 20.00
Dahlias.....	1.00 to 2.00	2.00 to 4.00	1.00 to 3.00	1.00 to 5.00
Sweet Peas.....	to	to .....	.50 to 1.00	to
Gardenias.....	to	to	to	to
Adiantum.....	to 1.00	to 1.00	1.00 to 1.25	1.00 to 1.25
Smilax.....	to 12.50	10.00 to 15.00	to 15.00	15.00 to 20.00
Asparagus Plumosus, Stripes (100).....	20.00 to 25.00	40.00 to 50.00	40.00 to 60.00	30.00 to 50.00
" " & Spreng. (100 bchs.).....	20.00 to 25.00	25.00 to 35.00	35.00 to 35.00	20.00 to 30.00



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

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W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free

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RICHMOND, IND.

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37 and 39 West 28th St., NEW YORK



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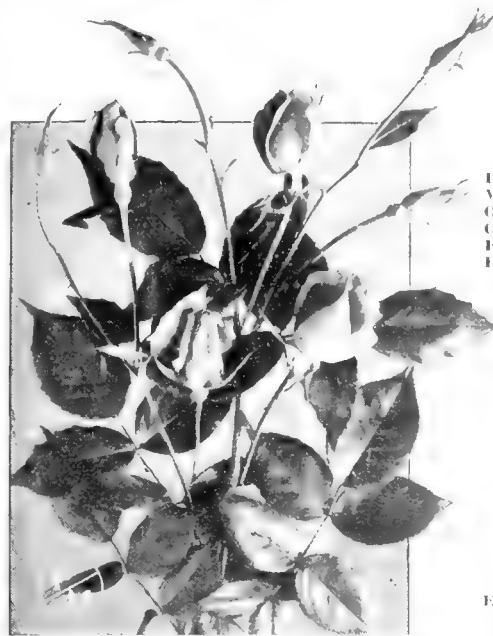
Flower Market Reports

BOSTON Business has been very unsteady, fluctuating from day to day in response to the temperature, prices going to pieces on the advent of a warm day and swinging back into line again under the influence of a couple of cold nights. There is an abundance of material; too much, in fact, of some things, such as carnations and ordinary chrysanthemums. Violets are very poor as a rule, and figure among the accumulations of unsalable stock. Roses are not very good as a general thing but some exceptionally fine ones are seen here and there. The latter bring their price, but the average run of roses realize but little on a warm day. According to the statements of some of the leading wholesale and retail dealers, business has fallen off fully fifty per cent. as compared with the corresponding period last year. One retailer attributes this in part to the crippling of the steamer trade upon which he greatly relied.

A good hot summer **BUFFALO** week has made the trade feel that vacation days have returned again. Business was practically at a standstill and any sales that were made had to be forced. There was no shortage on any one line, the rose stock coming in very heavy and in open condition, and enough good carnations for all who wanted them. Dahlias, mostly not good, cosmos, lily of the valley and chrysanthemums are all in abundance. In chrysanthemums yellow only are in demand and these are but few. On Saturday the retailers sold roses at 25c. per dozen, and anyone may judge how conditions were for the week. A very discouraging week was passed, though improvements are looked for soon.

The market remains **CINCINNATI** crowded. Large receipts of dahlias and cosmos as well as the end of the aster crop have not given the market chance to lighten at all and, in spite of a good steady demand, prices remain at a very low level. Shipping business is good. The supply of roses is large and good, and includes an ample cut of American Beauties. Carnations are coming in much stronger than before. In chrysanthemums yellow has up to this time predominated, but enough white and pink are to be had for immediate requirements. Lilies continue plentiful. Lily of the valley meets with a fair market, but orchids are selling rather slowly.

We are having **KNOXVILLE, TENN.** fall weather now—warm days and cool nights—but so far no frost. Stocks of all kinds is looking good and some of the florists have been cutting a few chrysanthemums, but the main crop will not come in for a few days yet. Carnations are coming in and are very fine for the season of the year; roses are fair. This has been a very busy week and parties and receptions have demanded flowers every day; with a large number of weddings coming off this month, society has been on one continual round of parties, which have been cleaning up stock every day.



FOR THE DEBUTANTE

	Extra	1st	2nd
	100	100	100
Irish Fire Flame	\$6.00	\$4.00	
Mrs. Aaron Ward	6.00	4.00	\$3.00
Old Gold		8.00	6.00
Ophelia	6.00	5.00	3.00
Francis Scott Key	6.00	4.00	3.00
Hadley	6.00	5.00	3.00

VALLEY.
Special, \$1.00 per 100.
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WHITE ORCHIDS.
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VANDA, ONCIDIUM
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ORCHIDS in variety.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Oct. 15		ST. LOUIS Oct. 12		PHILA. Oct. 12	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
“ “ Fancy and Extra	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
“ “ No. 1	4.00	to 6.00	5.00	to 8.00	6.00	to 8.00
Killarney, Richmond, Extra	4.00	to 8.00	4.00	to 6.00	4.00	to 6.00
“ “ Ordinary	.50	to 2.00	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 12.00	4.00	to 6.00	4.00	to 8.00
“ “ Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Maryland, Sawyer, Taft, Extra	4.00	to 8.00	4.00	to 5.00	4.00	to 8.00
“ “ Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 3.00
Russell, Hadley	3.00	to 16.00	4.00	to 8.00	2.00	to 12.00
Carnations, Fancy	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 2.00
Cattleyas	5.00	to 40.00	40.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	8.00	to 10.00
Lily of the Valley	.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets	.25	to .50	.20	to .25	.25	to .50
Corn Flower	.25	to 1.00	.25	to .40	.25	to .40
Chrysanthemums	1.00	to 25.00	10.00	to 20.00	10.00	to 10.00
Dahlias	1.00	to 1.00	1.00	to 4.00	1.00	to 3.00
Sweet Peas	.40	to .60	.50	to .75	.....	to
Gardenias	.....	to 25.00	.....	to 12.00	.....	to 25.00
Adiantum	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	12.00	to 15.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
“ “ & Spreng. (100 Bchs.)	15.00	to 35.00	15.00	to 25.00	25.00	to 50.00

The market here is **NEW YORK** again flooded with flowers for which there is no adequate sale and values have taken another tumble in consequence. It does not take much in the present state of affairs to gorge the channels of the flower trade and things go to pieces on the first ripple of a flood. Chrysanthemums are coming in quite heavily and it is next to impossible to enumerate the many different varieties now on sale. Prices considered normal in past seasons are realized in few cases only and the outlook is not very reassuring. Lilies are again over abundant and violets are exceedingly plentiful although the weather is not conducive to their free blooming. Roses are the worst sufferers from the present redundancy. They are arriving by the thousands

and are being sold as low as \$5 per 1,000 by the box as they come in. The American Beauty market is in the same fix. \$10 per 100 for the finest specials being gladly accepted by the dealers. Carnations are having a much better reception and good stock sells out nicely. In the line of orchids there are plenty of cattleyas and oncidiums, \$2 per 100 flowers being about the average price for the latter. There is still an immense quantity of dahlias in the market, many coming from R. Vincent, Jr., White-marsh, Md., and these are really the best dahlias received in New York this season, but it is almost out of the question to move them at even \$1 a 100. From the foregoing facts it will be seen that market conditions this week are decidedly unsatisfactory.

(Continued next page)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct. 10 1914		First Half of Week beginning Oct. 12 1914	
American Beauty, Special	15.00	to 25.00	10.00	to 25.00
" " Fancy and Extra	8.00	to 12.00	5.00	to 10.00
" " No. 1	3.00	to 6.00	2.00	to 5.00
Killarney, Richmond, Extra	2.00	to 5.00	1.00	to 4.00
" " Ordinary	1.00	to 2.00	.50	to 1.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 5.00	1.00	to 4.00
" " Ordinary	1.00	to 2.00	.50	to 1.00
Maryland, Shawyer, Taft, Extra	3.00	to 6.00	1.00	to 4.00
" " Ordinary	1.00	to 2.00	.50	to 1.00
Russell, Hadley	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy Grade	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00

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McCALLUM CO., Pittsburg, Pa.

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Flower Market Reports

(Continued from page 561)

PHILADELPHIA A week of very warm, very sunny weather has had the effect of bringing in stocks with a rush. While the demand was as good if not better than the week before it was not sufficient to these abnormal conditions. The surplus Friday and Saturday was large and—to make things worse—the street men were too busy speculating in ball tickets to take their usual flyer in flowers. The chrysanthemum is much more in evidence, among the new comers being Unaka, Tint of Gold, Glory Pacific, and Polly Rose. They are selling even better than last year, probably because the dahlias are not such strong competitors on account of the dry season, as they were last year. The hot weather and sunshine sent in a big push of roses—more noticeable in these than in other flowers—many of them too open. Carnations show some improvement both as to size and stem. The late-flowering cosmos is now coming in—longer in stem and larger flowers than the dwarf early types. Orchids, rose-buds, and similar material for the debutante in good demand. There is also a lively call for tritomas, autumn foliage, and eulalia plumes.

The local cut-flower trade, though gradually gathering headway, is hardly up to expectations at present, being retarded by the paucity of important social events or theatrical productions. People seem to be saving up their money for the exposition. There is nevertheless considerable activity in a small way. The trade has been helped out materially by the abundance of fine chrysanthemums, which find a large demand in the retail stores; and values are fairly well maintained, as the Japanese growers have pooled their offerings, preventing any congestion of the market. The season is now about at its height. Among the most prominent varieties this week is Major Bonaffon, which is in great demand. Chrysolora has about had its run, and October Frost and Queen, after figuring very prominently in the market for several weeks, are on the wane. Roses are showing up much better, and in somewhat larger variety, though the season is still early and offerings will improve greatly next month, when several growers expect to spring surprises on the trade. Some very nice American Beauties are appearing, however; Marylands are quite plentiful, and

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Bronze and Green Galax, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 40c.

Fine by the pound, 8c., or by the yard.

Branch Laurel, 35c. for a large bundle.

Southern Smilax, 50-lb. cases, \$5.00.

Green and Bronze Leucothoe Sprays, \$3.00 per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.

Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 10 1914	First Half of Week beginning Oct 12 1914
Cattleyas	15.00 to 25.00	15.00 to 35.00
Lilies, Longiflorum	8.00 to 10.00	4.00 to 6.00
Rubrum	3.00 to 4.00	2.00 to 3.00
Lily of the Valley	3.00 to 4.00	2.00 to 3.00
Violets .....	.15 to .30	.15 to .25
Corn Flower .....	.....	.....
Chrysanthemums	15.00 to 50.00	10.00 to 40.00
Dahlias .....	.50 to 1.00	.50 to 1.00
Sweet Peas (per 100 bunches) .....	.....	.....
Gardenias	5.00 to 16.00	5.00 to 16.00
Adiantum .....	.50 to .75	.50 to .75
Smilax	8.00 to 10.00	8.00 to 10.00
Asparagus Plumosus, strings (per 100)	25.00 to 35.00	25.00 to 35.00
& Spren (100 bunches)	15.00 to 25.00	15.00 to 25.00

some very fine Mrs. Chas. Russell have appeared. Killarneys are less plentiful. The heavy shipping season for roses will not open for some time. Violets are now coming in freely, and are well received. The quality is very fair, but showers are needed to put them at their best. Good carnations are not yet plentiful. The supply of orchids appears to be ample for all current needs. Offerings of lily of the valley are rather light at the moment, and while no immediate shortage is expected, the outlook for future supplies is doubtful.

ST. LOUIS

The past week has shown some improvement as to the demand but the heavy receipts have continued, thus making it very hard for the wholesaler. Roses are so plentiful that not half of the consignments are sold. Carnations are becoming more plentiful each day. Violets are not yet of good quality and are somewhat off color. Chrysanthemums are plentiful but with nothing very fancy in yet.

WASHINGTON

Growers and retailers alike are praying for a killing frost which will rid the market of the enormous quantities of dahlias

and cosmos which are daily being received and which is almost completely killing the demand for indoor grown stock. Thousands of as fine roses as could be desired are being daily discarded and their movement cannot be effected at any price. Carnations are coming in much better form, the stems are longer and stiffer and the flowers are larger. Lily of the valley dropped to \$4 per hundred last week and it is believed that this will be the ruling price for some time to come. Cattleyas were offered at as low as \$25 in hundred lots, while in small quantities the price was \$3.50 per dozen and upwards. In chrysanthemums, October Frost, Yellow Frost and Unaka are now to be had in good quantities and qualities. Smith's Advance is at about an end in this locality. Sweet peas and yellow marguerites are new additions to the market.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

For List of Advertisers See Page 543

FERNS—Continued

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechlin, River Forest, Ill.
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Fuchsias—Black Prince, Speciosa, double
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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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I am headquarters for pure stock of this
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Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

Stearns Cypress.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

For page see List of Advertisers.

Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

Lord & Burnham Co., New York City.

William H. Lutton Co., Jersey City, N. J.

GREVILLEA

Grevillea Robusta, Silk Oak, extra strong
and fine, ready for 4-in. pots, \$4.00 per 100.
JOHN F. RUPP, Shiremanstown, Pa.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.

Fancy and Dagger Ferns.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDY PERENNIALS

Strong, Healthy, Field-Grown Seedlings
of the following at \$2.00 per 100; Holly-
hock, separate colors; Foxglove; Canter-
bury Bell; Gaillardia; Coreopsis; Gypso-
phila; Pyrethrum; Columbine; Hibiscus;
Anchusa; Hardy Pinks; Sweet Rocket. All
fine plants. Sweet William, \$1.50 per 100.
CLARK, Florist, 124 Washington Ave.,
Scranton, Pa.

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

Bobblin & Atkins, Rutherford, N. J.

For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co.,
Chicago, Ill.

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOT HOUSE GRAPES

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.

For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."

For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.

Imp Soap Spray.

For page see List of Advertisers.

Roman J. Irwin, New York City.

Nico Fume Liquid and Paper.

For page see List of Advertisers.

IRIS

IRIS—10 named varieties German Iris,
\$2.00 per 100. AMON HEIGHTS NUR-
SERIES, Camden, N. J.

IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Yokohama Nursery Co., Ltd.,

New York City.

Lilium Formosum.

For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.

Lilium Formosum and Giganteum.

For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteum.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSEYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

Isaac Hicks & Son, Westbury, L. I., N. Y.
Bargains in Shade Trees and Evergreens.

ONION SEED

Federico C. Varela, Tenerife, Canary Islands.
Bermuda Onion Seed.

For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

PANSY PLANTS

Pansy Plants—Choice mixed strain, \$2.50 per 1000; also separate colors and named varieties, same price. CLARK, Florist, 124 Washington Ave., Scranton, Pa.

PANSY PLANTS—Continued

Pansy Plants—Goodell's Colossal are the largest of all pansies. Flowers 3 inches and upwards across on long strong stems. Extra fine for forcing. Fifteen splendid colors mixed, including the finest of all white and yellow varieties. Good stocky seedbed plants from August sown seed. 1000, \$10.00; 500, \$5.00; 250, \$3.00; 100, \$1.50. Cash with order. L. W. GOODELL, Pansy Park, Dwight, Mass.

PELARGONIUMS

50 varieties of Pelargoniums, all under name. Send for descriptive circular and price list. JOHN S. LEACH, Hartford City, Indiana.

PEONIES

W. L. Gumm, Remington, Ind.

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

25 acres devoted to the growing of Peonies; let me figure on your list of wants. GILBERT H. WILD, Sarcoxie, Mo.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHLOX

PHLOX—Mrs. Jenkins (the best white) \$3.00 per 100. We need the room and have 20,000 surplus. AMON HEIGHTS NURSERIES, Camden, N. J.

Surplus Hardy Phloxes, named sorts mixed, to make room, \$12.00 per thousand. W. F. SCHMEISKE, Hospital Station, Binghamton, N. Y.

PHOENIX

Phoenix Canariensis, fine large plants. \$7.50-\$35.00 each.
JULIUS ROEHR'S CO., Rutherford, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company, N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

ROSES—Continued

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY, West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.

For page see List of Advertisers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.

For page see List of Advertisers.

California Seed Growers' Association, San Jose, Cal.

For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds, Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

B. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.

For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 543

SKINNER IRRIGATION SYSTEM
Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.
Live Sphagnum moss, orchid peat and orchid basket always on hand. **LAGER & HURRELL**, Summit, N. J.

STOVE PLANTS
Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

SWEET PEA SEED
Arthur T. Boddington, New York City.
Christmas-Flowering Sweet Peas.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VEGETABLE PLANTS
Grand Rapids and Big Boston Lettuce, big strong plants, 90c. per 1000. **KEENEY'S GREENHOUSES**, Monongahela, Pa.

VENTILATING APPARATUS
The Advance Co., Richmond, Ind.
For page see List of Advertisers.
Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES
Aphise Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS
W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK
Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.
Wirework. Write for our catalogue.
HOLTEN & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIREWORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS
Albany, N. Y.
Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore
The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston
N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn
Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.
William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago
Peehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati.
C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit
Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued

Montreal
Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue

BULB HEADQUARTERS.

Henry F. Michell, Philadelphia, Pa.
For page see List of Advertisers.

BULBS—SEEDS—ROOTS.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSE BUILDING—REPAIRS—HEATING.

Daniel Iliffe, South Weymouth, Mass.
For page see List of Advertisers.

PEERLESS GLASS REPAIR CLAMP.

Alexander Klokner, Wauwatosa, Wis.
For page see List of Advertisers.

ROSE FOR THE DEBUTANTE.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

SURPLUS OFFER—BUDDLEIAS.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.

SITUATIONS WANTED

POSITION WANTED

As I am free to accept a position, I would like to hear from parties in need of a man who will deliver the goods. Besides rose growing, I am well versed in other branches of gardening and floriculture, inside and out. Either private or commercial.

ARTHUR C. RUZICKA,
care **HORTICULTURE**, 11 Hamilton Place, Boston, Mass.

SITUATION WANTED—For Spring engagement, as superintendent or head gardener; expert on landscape, rock gardens, herbaceous, orchids, fruits, flowers, vegetables, sequence of crops under glass and in open, lawns, rose gardens, tree planting, drainage, pond making, dwelling, management of men; late with leading firm of garden architects in England. Good address; exceptional references. Please reply, stating terms to **MESSRS. DUPUY & FERGUSON**, Seedsmen, Montreal, Canada.

SITUATION WANTED—By A-1 florist and landscape gardener, 8 years' European and South American experience in landscape gardening, conservatory, designing and decorating. Winner of prize medals and diplomas. 25 years of age; single. Excellent references. State wages. **STEPHEN BERCZIK**, 362 Broadway, Buffalo, N. Y.

SITUATION WANTED—As foreman for landscape architect or contractor. Capable of handling men and teams, also competent to superintend planting and laying out of roads. Address **JOSEPH WIDLY**, 46 Hudson Ave., Red Bank, N. J.

SITUATION WANTED—Experienced graduate of Mass. Agricultural College, Dept. of Horticulture, seeks a responsible position. Address "G," care of **HORTICULTURE**, Boston.

WANTED—Head Gardener's or Superintendent's position. Northern and Southern experience in all branches; best of references. **W. D. NICKERSON**, 116 Putman St., Quincy, Mass.

SITUATION WANTED—Experienced, sober and reliable greenhouse man wants position as greenhouse fireman. "H. J.," care **HORTICULTURE**.

FOR SALE

BOILER FOR SALE

No. 14 Coatsville Heating Boiler; cast iron base, steel plate fire box. Capacity 4,000 sq. ft. direct steam radiation; 6,000 sq. ft. hot water. Been used but little; removed to place a larger size. Requires no brick work; can be placed in position and connected up as simply as a kitchen range. Length, 12 ft.; width, 38 inches; height, 63 inches. 41, 3-in. direct tubes; 21, 3-in. return tubes. Address "C. W.," care **HORTICULTURE**.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M.," care **HORTICULTURE**.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAB-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

FOR EXCHANGE

WILL EXCHANGE—Holland Bulbs and Trees for Evergreens, Perennials, foliage plants. **L. J. SMITH**, Merchantville, N. J.

In writing to Advertisers kindly mention Horticulture

WOOD ASHES AS SOURCE OF POTASH.

Office of Information, U. S. Dept. of Agriculture.

Washington, D. C.—If the European war should cause our large annual imports of potash to dwindle, many farmers will look to wood ashes among other substances to replenish the potash supply. While the amount of wood ashes that a farmer could accumulate on his own farm would hardly ever be sufficient to supply his need for potash, nevertheless, if they are carefully stored and not permitted to leach, they may be of considerable value to him. Wood ashes are now a factor in Canada, being considered a regular commercial commodity, and the large lumber mills and other plants using wood or sawdust for fuel in this country which at present make no use of the ashes from their furnaces or waste piles may find it profitable to store and sell them if the demand warrant it.

In New England where farmers have had to look more carefully to the renewing of old soils than in some of the newer sections of the country, wood ashes have long been appreciated. Ashes indirectly increase the available nitrogen of the organic matter in the soil, and have been known to do excellent service in Europe on drained moorland.

Besides the potash, ashes contain other ingredients which are of value to plants; namely, about 1 or 2 per cent. of phosphoric acid, a little magnesia, and a great deal of lime. The importance of these last-named elements is made plain by the esteem in which leached ashes are held by some of our farmers, although from leached ashes all but a very small portion of the potash has been washed out. The farmer who wishes to restore potash to the soil by the use of ashes should take great care that they are kept dry, and are not allowed to leach at all.

Ashes from hardwoods, (deciduous trees), are richer in both phosphorus and potash than those from pines and other softwoods (conifers). Ashes from oak, elm, maple, and hickory have more potash than those from pine. The ashes of twigs (faggots for example) are worth more for agricultural purposes than the ashes of heart-wood taken from the middle of an old tree. In general, the smaller and younger the wood burned, the better ashes. The ashes of coal do not contain enough potash to make them valuable in this connection.

Investigators have considered that there is enough potash and phosphoric acid in a bushel of ashes to make it worth 20 or 25 cents. Besides that, some 10 or 15 cents additional might be allowed for the "alkali power" of the ashes. This power is that which enables ashes to rot weeds and to ferment peat. Of

course prices vary with local conditions.

If wood ashes are purchased, the farmer should assure himself that they have neither been contaminated with coal ashes, nor adulterated with leached ashes. The place of burning has no effect on the value of the ashes as fertilizer. They are equally satisfactory whether taken from a stove, a fireplace, or a bonfire.

BRITISH HORTICULTURE.

The Trade and the War.

Many British horticulturists have followed with unfaltering interest the progress of events in Belgium. The Belgian place names now freely referred to in the press with terrible associations summon up recollections of former glad days spent in exploring the gardens and nurseries of this fertile little kingdom. Many British gardeners retain pleasurable recollections of visits paid to the Ghent international flower shows, where the brilliant floral marvels of the Belgian florists were to be seen radiating in their summer grandeur. Two years ago the Belgian growers exhibited some of their latest horticultural triumphs at the International flower show at Chelsea, where they renewed acquaintance with many British confreres who had visited the Ghent shows.

The Belgian nurseries are noted throughout the world for the excellence of their methods and an immense export trade has been created. Belgians have gained a high reputation as gardeners, causing their services to be constantly in request in Britain. The azalea owes its popularity largely to the remarkable developments which have been made by the Ghent growers. Van Houtte, a noted florist, was the first to raise the double flowered kinds. Belgian nurserymen likewise excel in orchid culture.

One result of the war will be to cut off our supply of German seeds. Hitherto a very formidable business has been done in Britain with flower and vegetable seeds from this quarter, the chief centres of this industry being Erfurt and Quedlinburg. In recent years there has been a considerable extension of the acreage devoted to this trade. The reliable quality of the seeds undoubtedly has been the principal cause which has led to the development of this business with Britain. It is expected that an increased impetus will be given to the British seed growing by the absence of the German competition. Essex is the leading centre for English seed growing; many small holders find this a very profitable crop. Some of the wholesale houses have big acreages under seeds in the neighborhood of Witham, Kelvedon and Coggeshall.

Owing to the Crystal Palace being required for war purposes it was not possible to hold the annual show of the National Dahlia Society which had

BAILEY'S NEW STANDARD Cyclopedia of Horticulture

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been fixed to take place there. The usual dahlia show, however, was held by the Royal Horticultural Society at their headquarters in London, on Sept. 8th. The trade specialists made an excellent display. Awards were granted to the following new varieties: Loreley (decorative), Stella (collarette) Etoile Rose (cactus) by Charles Turner; Mrs. Edward Drury, Marguerite Phillips and Kismet (cactus), The Swan (garden), by Stredwick and Son; Eden (collarette) White Star and North Star (singles) by J. Cheal and Son. W. H. ADSETT.

NEWS NOTES.

N. Cimsted, O. — H. Christman & Son are the successors of Irving Dunford and are improving and enlarging the greenhouses.

Middletown, O.—Jas. R. Johnston of Greensburg, Ind., has leased the Bellemonte Greenhouses of Jos. R. Goldman. The business will be enlarged and conducted on the same broad lines as heretofore. Mr. Goldman will be retained to do the decorating and designing.

West Orange, N. J.—A fire, the origin of which is a mystery, completely destroyed the barn and greenhouses of Arend Stenken at Benvenue and Ridgeway avenues, St. Cloud, Saturday night, October 3. A horse and cow were saved by neighbors, but fruits, vegetables, hay and harness were destroyed. The damage is estimated at \$1,000, partly covered by insurance.

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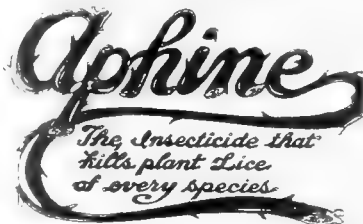
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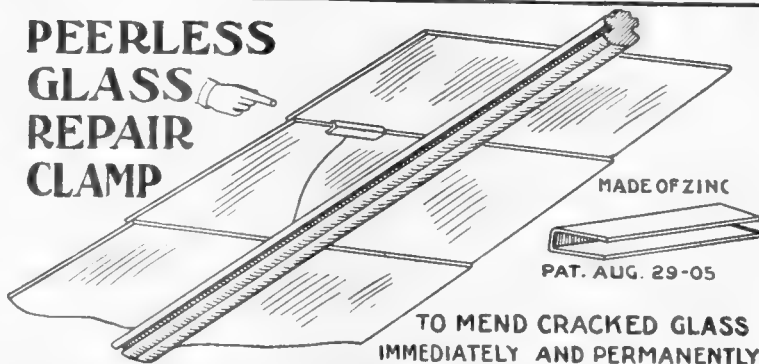
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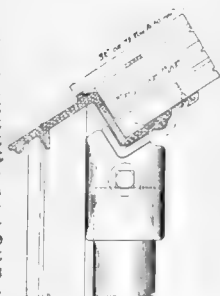
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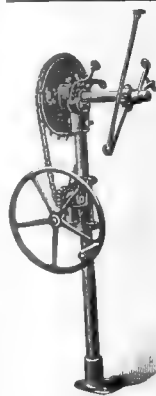


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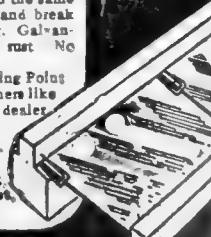
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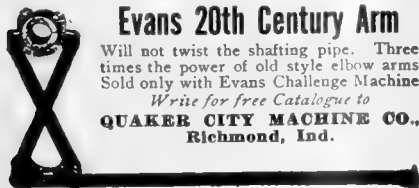
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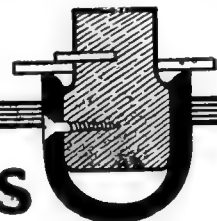
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Vol. XX
No. 17
OCT. 24
1914

HORTICULTURE



A Rose Pergola in June

On the Proctor Estate, Topsfield, Mass., garden of James M. Proctor

Hicks' Special Trees and Shrubs

For Dry Ground and Seashore Planting

ONE of the most difficult of planting problems you have to solve may be the planting of sandy, dry and acid soils. These conditions occur both on the beach and the dry, sandy or gravelly sub-soils in the interior. The present drought where the rainfall in August was 2.15 inches, in September .27 inches, and the average for these months should be: August, 4.3 inches, and September, 3.6 inches, emphasizes the need of dry ground plants. We are making a specialty of them. We do not know of any other nursery that is. Our plants are cheap: \$20 per 1000 and upward. It is not possible to water everything. It is not possible to cart soil and prepare the ground two feet deep to withstand the drought. The best landscape gardening is that which fits the plants to the maximum drought and severest Winter.

Make a list of what Nature plants on the abandoned fields in the region where you are planting. If it is dry ground, there will be Oaks, Bayberry, Sumach, Cedar, etc. The Oaks are the principal drought-resisting trees. Try a few hundred or a few thousand of our Oak Seedlings. We dig them with full length roots. Make a hole

with a crowbar twenty inches deep, set the collar two inches below the ground. We will show you a uniform block of several thousand, planted this way in December, 1911. They can be planted from five to fifteen feet apart. Next Spring plant between them little Pine trees. For an under growth plant drought



- | | | |
|----------------------|-------------------|--------------------|
| 1 Surf | 5 Beach Plum or | 11 Wild Rose, Vir- |
| 2 Beach | Bayberry. | ginia Creeper. |
| 3 Sand Dune. | 6 Holly. | 12 White Oak. |
| 4 Tips of new growth | 7 Chokeberry, Py- | 13 White Birch. |
| killed off by the | rus Arbutifolia. | 14 Privet. |
| salt resulting in | 8 Black Oak. | 15 Norway Maple. |
| dense growth like | 9 Cat Brier. | 16 Forsythia. |
| a trimmed hedge | 10 Wild Cherry | |

resisting shrubs as Bayberry or Wax Myrtle, New Jersey Tea or Ceanothus Americanus, Hazelnut, White or Gray Birch, or Betula Populifolia.

The picture shows Nature's methods of planting on the beach. This is a combination of sandy, acid soil with caustic action of the salt spray. The plants are much the same as on dry sandy hills or plains. Therefore, the same answer can be given inquiries for planting on the beach and planting in sandy soils. Close planting is essential to the best results in both cases. The accumulation and preservation of a layer of decaying leaves eight inches deep is the first essential and close planting is the second. Neither can be dispensed with.

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LIST OF ADVERTISERS

	Page		Page		Page		Page		Page
Advance Co.....	607	Conine, F. E.		Gude Bros. Co.....	593	Low, Stuart		Pierson, A. N.....	576
Albany Cut		Nursery Co.....	576	Haendler, M. P.....	574	Co.....	586	Pierson, F. R.	
Flower Ex.....	598	Cowee, W. J.....	596	Hall Association.....	607	May & Co., L. L.....	593	Co.....	593
Allen, J. K.....	598	Craig, Robt. Co.....	576	Hall & Robinson.....	593	McCarthy, N. F.		Plantlife Co.....	605
Anderson, S. A.....	593	Critchell, C. E.....	596	Hart, Geo. B.....	598	& Co.....	596	Plant Food Co.,	
Applie Mfg. Co.....	605	Crowl Fern Co.....	599	Heacock, Jos.....	586	McConnell, Alex.....	592	20th Century.....	605
Aschmann, G.....	576	Dards.....	592	Henderson, A. &		McHutchison &		Poehlmann Bros.....	596
Asmus, Geo.....	594	Davenport, A. M.....	576	Co.....	576	Co.....	586	Pratt, B. G. Co.....	604
Ayres Co., S.		Dorner, F. &		Hess & Swoboda.....	592	McManus, Jas.....	598	Pulverized Ma-	
Bryson.....	589	Sons Co.....	576	Hews, A. H. &		Meyer, John C.		nure Co.....	605
Badgley, Riedel		Dreer, H. A.....	606-607	Co.....	606	Co.....	595	Quaker City Ma-	
& Meyer.....	598	Dunlop, John H.....	593	Hicks, Isaac &		Meyer, Chas. F.....	575	chine Co.....	607
Barrie, Geo. N.....	607	Dysart, R.....	599	Son.....	574	Michell's Seed		Randall's Flower	
Barrows & Son.....	576	Eastern Chemical		Hilfinger Bros.....	606	House.....	588	Shop.....	593
Bayersdorfer, H.		Co.....	605	Hill, E. G. Co.....	596	Michigan Cut		Reed & Keller.....	598
& Co.....	595	Edgar, W. W.....	585	Holland Nurser-		Flower Ex.....	596	Reid, Edw.....	596
Bay State Nur-		Edwards Folding		ies.....	576	Millang, Chas.....	598	Reuter's.....	593
series.....	574	Box Co.....	596	Holm & Olson.....	592	Montreal Floral		Rice, M. Co.....	593
Bobbink & At-		Elliott Auction		Irwin, R. J.....	604	Exchange.....	598	Roehrs, J. Co.....	586
kins.....	574	Co.....	586	Jacobs, S. &		Moore, Hentz &		Roland, Thomas.....	576
Boddington, A.		Ernest, W. H.....	606	Sons.....	607	Nash.....	598	Roiker, A. &	
T.....	587	Esler, J. G.....	607	Kasting, W. F.		Murray, Samuel.....	592	Sons.....	575
Bolgiano & Son,		Eyres.....	593	Co.....	596	National Nursery-		Rosery, The.....	592
J.....	589	Farmers and		Keller, J. B.		man.....	574	Schiller.....	594
Boston Florist		Florists Fertil-		Sons.....	592	New England Nur-		Schling, Max.....	593
Letter Co.....	596	izer Co.....	605	Keller, J. M. Co.....	576	series.....	574	Schwake, Chas.	
Braslan Seed		Farquhar, R. &		Kentucky Tobac-		Nicotine Mfg. Co.....	605	& Co.....	575
Growers Co.....	589	J. & Co.....	586	co Product Co.....	605	Niessen, Leo Co.....	596	Sheridan, W. F.....	598
Breck, J. & Sons.....	589	Fisher, Peter.....	576	Kervan Co.....	598	Oechslein, Ernest.....	576	Sharp, Partridge	
Breitmeyer's, J.		Foley Mfg. Co.....	607	King Construc-		Old Town Nur-		& Co.....	607
Sons.....	592	Ford, M. C.....	598	tion Co.....	607	series.....	574	Siedrecht, Geo.	
Bryan, Alonzo J.....	576	Ford, W. P.....	598	Kloknor, A.....	607	Ouwerek, P.....	576	C.....	598
Burpee, W. A. &		Fottler, Fiske,		Komada Bros.....	595	Palisades Nur-		Siggers & Sig-	
Co.....	589	Rawson Co.....	589	Kramer, F. H.....	593	series.....	591	son.....	607
California Seed		Framingham		Kroeschell Bros.....	607	Palmer, W. J. &		Skidelsky, S. S.	
Growers' Asso.....	588	Nurseries.....	574	Kuebler, W. H.....	598	Son.....	592	& Co.....	589
Carter's Tested		Froment, H. E.....	598	Lager & Hurrell.....	596	Park Floral Co.....	592	Shuis & Groot.....	589
Seeds, Inc.....	589	Galvin, Thos. P.....	593	Lemon Oil Co.....	605	Parshelsky, B.....	591	Small, J. H. &	
Childs, John		Gasser Co., J. M.....	593	Leonard Seed Co.....	589	Peirce, E. Allan.....	606	Sons.....	593
Lewis.....	589	Graham, Adam		Loechner & Co.....	575	Pennock-Meehan		Smith, P. J.....	598
Clarke's, D.		& Son.....	592	Lord & Burn-		Co.....	597	Smith & Co., E.	
Sons.....	592	Grey, Thos. J. &		ham Co.....	608	Pierce, F. O.....	607	D.....	605
		Co.....	588						

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 600, 601, 602, 603

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When Writing to Advertisers Kindly Mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

LIBRARY
NEW YORK
BOTANICAL
GARDEN

Callas

These should be making rapid growth, and will require quite a supply of water. They should also have a good syringing every morning during clear weather. Give as much air as possible, and damp down between the pots, floors and walks three times a day. They like a temperature of about 60 degrees at night, with about 15 to 20 degrees higher with sunshine.

Christmas Plants

It is a good time now to take a careful survey and estimate of all holiday stock. If short on any kind get them right away, not waiting until the last minute and having to take anything you can get. All plants will want very careful watering from now on, and be sure to give them plenty of room so the light and air can get around them. You can give all flowering plants liquid manure at least once a week, which will help to tone them up in great shape.

Tulips for Forcing

Tulips should now be boxed up as soon as possible. Don't use all worn-out soil as it never produces good blooms, but give a good compost and do not overlook providing the flats with good drainage. These flats can be placed outdoors where they can be got at handily, as they may be required. It should always be remembered that tulips and, in fact, all bulbs should not be exposed to zero weather; a little frost is a good thing for bulbs, but too much is sure to retard their growth and flowering qualities. So when the hard weather sets in give them enough protection to ward off the hardest weather.

Lily of the Valley for Christmas

If at all well-grown, a 6-inch pot of lily of the valley with several dozens of flowers, and trimmed with red waterproof crepe paper, always sells well at Christmas. If not on hand, order some cold storage pips now from your supply house. One can make use of the freshly imported stock, but it is too early yet to force them with as good results as the cold storage pips. A period of four

weeks—rather a little over from the day the pips are planted in the pots—and they are ready to sell. Take some 5-inch and 6-inch pots (or half pots will do). Fill them full of pips, allowing about a good inch of space between each pip. The planting is best done by laying about 6 pips in the palm of the left hand, the tops all even. On this space a thin layer of sandy soil, then more pips, another layer of soil, and so on until you have about as much as the pot will hold. Place these into the pot, and then space the pips properly, having the neck of them even with the rim of the pot, allowing the $\frac{3}{4}$ inch long pips to project above. Press the soil down firmly between the pips, and do it so as to have all the tops equally high. Perhaps the main thing is to be able to maintain about 85 degrees for bottom heat, with a few degrees less on top.

Propagation

Plants from which an early lot of cuttings were taken should now yield a good extra crop. Frosts have already occurred in some sections and if a sufficient stock of the more tender plants has not been placed in the propagating bench, it cannot be done too soon. Tender subjects such as coleus and alternantheras, should already be in, but there are few plants more easily rooted and they can still be propagated, as can acalyphas, crotons and other colored-leaved tropical plants. These latter like a bench where they will get the benefit of a genial bottom heat. Lobelias, ageratums and petunias should be propagated now, and of course geraniums can hardly be overdone. Heliotropes, salvias and other useful flowering bedding plants should not be overlooked. It is much more satisfactory to take cuttings now and pot them along, which will keep them growing. Plants so treated will later on produce plenty of cuttings.

Night Temperature

From this out the night temperature will play a big part. While it is not best to let a house drop too low, on the other hand it is just as bad to have it go too high. All cool-blooded stock can have a crack of air during nights which will harden up the plants so that when the winter weather sets in they will bear it better.

Mr. Farrell's next notes will be on the following: *Asparagus plumosus nanus*; *Begonia incarnata*; Carnations; Gladioli for Forcing; Marguerites; Sowing *Centaurea gymnocarpa*.

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—A Rose Pergola in June	
NOTES ON CULTURE OF FLORISTS' STOCK—Callas	
—Christmas Plants—Tulips for Forcing—Lily of the	
Valley for Christmas—Propagation—Night Temper-	
ature—John J. M. Farrell.....	577
GORDONIA ALTAMAHA—Illustrated—Hubert M. Can-	
ning	579
CLUBS AND SOCIETIES—Gardeners' and Florists'	
Club of Boston—Lancaster County Florists' Club—	
Horticultural Society of New York—Pennsylvania	
Horticultural Society—National Association of Gar-	
deners	580
Chrysanthemum Society of America—Missouri Botani-	
cal Gardens—Club and Society Notes.....	581
BRITISH HORTICULTURE—W. H. Adsett.....	582
THE WAR AND OUR CALLING.....	582
COST OF TRANSPORTATION	582
ANTIQUATED PHILOSOPHY—George C. Watson... 583	
ON THE GULF COAST IN DIXIE—M. B. Hancock... 583	
EFFECT OF CARBON BISULPHIDE IN SOIL..... 584	
OBITUARY—Wm. L. Palinsky—Nelson B. White..... 585	
SEED TRADE—General Prospects—European Pros-	
pects—Bean Crop Estimates—Onion Seed Crop..... 587	
Effects of the Drought—An Innovation—New Seed	
House—California Seed and Bulb News—Personal	
—Notes	588
OF INTEREST TO RETAIL FLORISTS:	
The Retailers' Business Calendar.....	592
Flowers by Telegraph—New Flower Stores.....	593
NEWS ITEMS FROM EVERYWHERE:	
Boston—San Francisco—Chicago	594
Washington—Philadelphia	595
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, New York, Philadelphia... 597	
THE USE OF COMMERCIAL FERTILIZERS IN	
GROWING CARNATIONS AND ROSES.....	604
MISCELLANEOUS:	
A Rose Pergola in June.....	582
Wintering Bay Trees—Illustrated	583
An Elegant Show Case—Illustrated.....	584
Massachusetts Agricultural College Notes.....	584
Incorporated	585
Greenhouses Building or Contemplated.....	585
Business Troubles	585
Catalogues Received	586
Publication Received	588
News Notes	595
Visitors' Register	599

trade is carried on. \$20.00 a year is the amount to be collected from each commission dealer.

We would remind our readers of the offers of desirable and timely stock, to be found in the display advertisements and in the Buyers' Directory from week to week at this season. These in many cases represent the surplus stock of the best growers of various specialties and prices of such are placed low to insure a quick disposition of the goods before hard weather comes. Take a look through the Buyers' Directory in this issue and see what you find. Some genuine bargains are there and they will be quickly taken up.

Now that the unprecedented spell of rain-
 less weather has come to an end and wel-
 come showers have soaked the dry earth,
 the opportunity for successful fall planting of hardy material should not be allowed to pass by unused. The dry spell coming as it did, about the time that summer growth had been completed, has had the effect of ripening up the wood and buds for next year to perfection. The rain coming now puts the ground in good planting condition and just right to stimulate root action before it freezes up and without encouraging any top activity. If made to order the conditions could not be better for fall planting and all experts concede that under such circumstances fall planting is to be preferred for the majority of shrubs, trees and herbaceous stock, in addition to the very decided advantage gained by thus reducing the pressure of work in the busy and often inadequate spring planting period.

Frequenters of the wholesale flower mar-
 kets cannot but note the advancement
 from one year to another in quality of the
 stock produced. The reasons for these bet-
 ter results are many. Greenhouses and their equipment as formerly constructed are not to be compared to the scientifically planned structures turned out by the present day builders; hybridists have labored zealously to give us better varieties; hustling introducers have ransacked and sifted the productions of old-world experts; argus-eyed collectors have searched the untrodden wilderness for rare floral gems; enthusiastic growers have never tired in their efforts to perfect their cultural skill; clubs and societies have in their exhibitions encouraged emulation to excel, and an alert and ever-faithful trade press has, by its diffusion of knowledge, contributed inestimably to the sum total of achievement so impressively presented in the wholesale flower markets of today. But then what? Certainly, up to the time of the appearance of this product in the market its progress has been a triumph. It is fit to adorn a king's table. It may get there or it may bring up in the ignominy of the dump. So much science, so much skill, so much industry, applied to the perfecting of the goods, and this the outcome! Now that the great difficulties of production have been so splendidly mastered is it not high time that some counterbalancing effort were made to solve the greater problem of distribution and sale?

Should the Senate war tax measure pass the national House and become a law it will, if we interpret it correctly, lift about one thousand dollars per annum out of the wholesale flower district of New York and a proportionate amount from other cities where the commission

On many an office wall hangs a card bearing the inscription, "Don't talk war; talk business," or words to that effect. But there are certain phases of this horrible affair and its effect upon the trade with which we are concerned

Gordonia Altamaha

This is probably one of the least known of our small trees, and yet it stands among the most beautiful of our native plants. In habit of growth and in the leaf the *Gordonia*, or as it is sometimes called, *Franklinia*, is not unlike a magnolia, although in the flower it more nearly resembles a camellia. Furthermore, it is especially valuable on account of its late flowering period; plants being in bloom at the present time in the Arnold Arboretum.

The *Gordonia* is of a rather upright habit, forming a well shaped head. It is a member of the Tea family, Theaceae. Its finely crenate, lance-obovate leaves are of the color of the leaves of *Magnolia acuminata*, but are whitish-downy beneath. The fragrant flowers are borne on the ends of the branches on short, stout peduncles. They are pure satiny white, about two and one-half inches in diameter and bowl shaped at their best, later becoming flatter as the flower ages. The stamens are bright golden yellow and are placed directly on the petals, where they form a tuft perhaps a half an inch or more in diameter, making a beautiful combination of color against the pure white of the petals. The pod is globular, light green and covered with a whitish down.

This plant was first discovered in Southern Georgia, from whence it was introduced into Europe in 1744, and named by Dr. Garden in honor of his "old master Dr. James Gordon," and by Ellis it was dedicated to a London nurseryman of the same name. This nurseryman appears to have been a contemporary of Phillip Miller. It was called *Franklinia* in honor of Dr. Franklin. During the past hundred years it has not been found in a wild state, although much searched for. This fact makes it not only a rare and valuable tree, but one which should be more propagated and kept, lest it be lost entirely to future generations.

In the vicinity of Philadelphia there are several trees growing in the open without protection, but north of that point its hardiness cannot be wholly depended upon. In protected situations, however, I see no reason why we of the north cannot enjoy its exquisite beauty, provided, of course, we give it protection. In the Arnold Arboretum the plants receive part shelter from the other plants which are planted about them, and came through the winter of 1913-1914 when so many other beautiful things perished.

The *Gordonia* may be propagated from layers or from



GORDONIA ALTAMAHA

Blooming in Arnold Arboretum, October 11, 1914.

seeds, and will thrive in a peaty soil, or in leafmold and sand. It is well worth much care and devotion and it is to be hoped that as it becomes better known it will be more often used in the plantings on private and public estates and be more fully appreciated.

I would add that the photograph here shown was taken in the Arnold Arboretum on October 11th, 1914, after there had been one or two severe frosts which killed nearly all the annuals in this vicinity.

Hubert H. Canning

Jamaica Plain, Mass.

that are inseparable. These are legitimate subjects of discussion and to this extent it is not possible to talk business without talking war. We have been shown a communication from one of the leading azalea producers in Belgium stating that the last of his shipments to America had been packed and started, while fighting was going on all around, and that he and his family were then fleeing from their ruined home, to go they knew not whither. When or under what conditions these industrious people of "plucky little Belgium" will be able to return to their peaceful employments no one knows. But in the meantime what of the great horticultural industries which they have built up and what of our needs in this respect for the coming years? As far as we can learn, practically all the import orders for Belgian plants

for this fall's delivery are either already here or on their way, more or less delayed and in varying condition in consequence. The future can only be conjectured, but it must undoubtedly be some years before former systems are resumed, and at this juncture would it not be possible to induce these refugees—these skilled cultivators, to make their new home here, to re-establish their business in a country of peace, with the assurance of a market for their products, unlimited in its possibilities of development? Suitable locations and working capital would readily be found. There has been no end of talk in the past about the promotion of home industry in horticultural products. Here is a chance to do something besides talk and an equally promising opportunity may never come along again.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

This club had an interesting meeting on Tuesday evening, October 20, a good attendance being present to listen to L. W. C. Tuthill's talk on "Advertising, the Spark Plug of Business." This was practically the same lecture delivered by Mr. Tuthill in New York last season. Advertising in its modern application is an amplification of the oldest form of publicity—word of mouth. The ultimate aim of floral advertising is to educate the public to the use of flowers. Continuity is an important essential but over-emphasis is as bad as under-emphasis. The advertising man's function is co-operation in the mechanical details and to crystalize attention to ideas and effectiveness of display. When you do advertising do it big and make it a heart to heart talk; don't merely fill space. Always aim for variety in advertising and lay out your campaign well ahead. Cut out the price item as a leader and feature the necessity of flowers. In the retail florist trade Penn was the first live advertiser and when he had set the example then they all followed. The lecture was much enjoyed and frequently applauded.

An interesting discussion took place on the desirability of increasing the representation of members in the S. A. F. to secure a position on the executive board of the national society. Patrick Welch, president-elect of the S. A. F., made an appreciation speech thanking the members for their Convention work and asking for enthusiastic effort in the coming year. By an unanimous vote a message of good cheer was sent to James Nicol of Quincy, who is quite ill. A committee was appointed to prepare resolutions on the death of Luke Mahon of Brookline.

The exhibition stand included splendid Chrysolora chrysanthemums and Mme Chantard hydrangeas from May cuttings from W. W. Edgar Co.; Carnation Alice in grand form from Peter Fisher; Ramopo chrysanthemums from Alex. McKay, and Lewis' "Dove-tail" Greenhouse Bench, a new patented cement bench just put on the market.

LANCASTER COUNTY FLORISTS' CLUB.

October 15, at 3.30 P. M., found fifteen of us on our way to visit the greenhouses of Willis B. Girvin, at Leola. The stock here consists of chrysanthemums, carnations, snapdragons and some 30,000 young *Asparagus plumosus*. The principal attraction was a new house 55 by 180 of King construction with some of Mr. Girvin's own ideas embodied therein, the principal one being the addition of a strong iron rod brace to keep the roof from going up in a storm. Six P. M., found the flower-show committee working hard over squabs on toast and the knotty problems of a first attempt at a flower show. At 7.30 P. M. the meeting was opened with the smallest attendance it has ever been our misfortune to have, probably due to the fact that a number of the

members were afraid of being appointed on flower show committees, and partly due to the fact that the past few meetings have been nearly all flower show affairs with very little else to attract members. George Marshall, representing the McCallum Co. of Pittsburgh, Pa., was with us on our trip as well as an attendant of the meeting.

These who stayed away this time missed a very interesting paper by Elmer Weaver on greenhouse construction, which was followed by remarks from D. T. Conner of Philadelphia, who represents the Lord & Burnham people, Mr. Wright of the same company having gone through to Harrisburg. Flower Show matters were discussed until 10.45, and we have every promise of having a very fine show and with a magnificent building in which to hold it. There is plenty of room for exhibits and any out-of-town florist who would like to exhibit any novelty should get into touch with the writer at once. The date is Nov. 6th and 7th; the address of the writer, simply Lancaster, Pa. The Lord & Burnham Co. offered a prize to value of \$25.00 which will be awarded the local grower making the best display. This is the only prize that will be offered in the florist's class outside of a blue ribbon for especially meritorious displays, but the amateurs will have a number of prizes to compete for.

ALBERT M. HERR.

HORTICULTURAL SOCIETY OF NEW YORK.

Do not forget the big fall show of this society which takes place October 30th to November 3rd, inclusive, at the American Museum of Natural History, New York City. Everything points to a fine exhibit, larger than ever. Schedules will be sent, upon application, by the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City. Entries must be in the hands of the secretary not later than October 28th, so do not delay. Now is the accepted time. You can greatly facilitate the work of the secretary, and add greatly to the artistic appearance of the arrangements if you will get your entries in early.

John Young, 51 West 28th street, has been appointed manager of the exhibition. This means that the arrangements are in efficient hands, and exhibitors can greatly facilitate the work by sending entries to the secretary promptly so that they may be in the hands of the manager without delay.

The premiums for specimen palms have been much increased over those of last year, and it is hoped that this will bring forth a number of these large specimens. The schedule provides prizes for many kinds of plants, and if you have not large chrysanthemum plants, then bring smaller ones or cut flowers, for which liberal awards are made. Let us all put our shoulder to the wheel and push, and make of this the largest fall show New York has ever seen.

GEORGE V. NASH, Sec.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held on Tuesday evening, October 20, at Horticultural Hall, Philadelphia. Matters pertaining to the Annual Exhibition and Chrysanthemum Show to be held November 3 to 6, occupied most of the meeting. Arrangements have been made to decorate Horticultural Hall in an appropriate manner. This work to be done before the exhibits are brought in to make a proper setting in harmony with the exhibits. Chrysanthemum plants and ornamental foliage plants and chrysanthemum cut flowers will be staged on Tuesday, November 3. Cut flowers of roses and carnations will be staged on Wednesday, November 4. All growers who have new roses and carnations are requested to send flowers for this exhibition in care of David Rust, Secretary, Horticultural Hall, Broad Street, Philadelphia, and they will be properly cared for and staged. The exhibits of fruits and vegetables will be staged on Wednesday morning, November 4. The entire first floor of Horticultural Hall will be devoted to trade exhibits. All prominent seedsmen and plantmen will have exhibits in this section. Exhibitors present at the meeting stated that all chrysanthemums are in good condition and a good exhibition is promised.

Prizes awarded at this meeting were as follows: Chrysanthemums—vase of six blooms of an early flowering variety; 1st, Countess Eulalia, gard. Thomas Gaynor; 2nd, Mrs. Chas. Wheeler, gard. Wm. Fowler. Cosmos—three vases of giant-flowering; 1st, C. B. Newbold, gard. John Nisbet; 2nd, Geo. H. McFadden, gard. David Aiken. Cosmos—vase giant-flowering mixed; 1st, Mrs. R. B. Ellison, gard. George Annand; 2nd, C. B. Newbold.

DAVID RUST, Sec'y.

NATIONAL ASSOCIATION OF GARDENERS.

Bulletin Number One.

The National Co-operative Committee, appointed at the meeting of the National Association of Gardeners held in Philadelphia in April, 1914, to devise ways and means to make the proposed co-operative movement between the National Association and local gardeners' clubs and societies operative, submits to the local co-operative committees, appointed to work in conjunction with the National Co-operative Committee, the prime objects of the movement, which are as follows:

To establish gardening as a profession on a more firm foundation in America.

To develop a closer fraternity between those engaged in the profession of gardening and those interested in it.

To make known that the vocation of gardening is not acquired through one or two seasons of work in the garden, but through a thorough training which demands both a practical and scientific knowledge gained only through years of study.

To provide an educational course whereby those ambitious to gain a general knowledge of the different departments of their profession, and not in circumstances to secure it at college, may obtain it through their national association.

To make the Service Bureau of the National Association of Gardeners an institu-

tion to which those requiring the service of gardeners in their various capacities will turn with confidence for their requirements.

To encourage an exchange of views and the disseminating of reports of the doings and activities of the various local societies, whereby the experience of one society may aid in the development of the other societies.

To bring about more uniform conditions to govern flower shows, through the adoption of rules and regulations and an official scale of points for judging flowers, fruits and vegetables by the various horticultural societies; which could be applied to all shows conducted by clubs and societies participating in the co-operative movement.

To arouse the interest of estate owners, and others interested in gardening, in the activities of the local societies and the national association.

The foregoing are a few suggestions of what the plan contemplates. The National Committee recommends that the local committees submit these suggestions as a subject for general discussion at a meeting of their society, with a view of bringing out some thoughts which may aid the cause. It especially solicits suggestions and expressions of sentiment respecting the proposed establishment of flower shows on a uniform basis by the adoption of standard rules and regulations and a schedule of points for judging, to govern them.

It seeks advice on the establishment of an educational department for the benefit of those who may want to avail themselves of study courses, and suggestions on how the Service Bureau may be conducted to provide opportunities for the many rather than for the few. It should be national in scope, yet local in operation, in that the local societies shall have a voice in the filling of positions in their communities.

The National Committee asks that the local co-operative committees report to it any recommendations their societies may have to offer; also any suggestions the local committees may deem will further the movement. Make such reports not later than the middle of November to M. C. Ebel, secretary, Madison, N. J., so that the National Committee may submit its plans at the annual convention to be held in Philadelphia the first week in December next.

WM. H. WAILE,
J. W. EVERITT,
JAMES STUART,
M. C. EBEL.

National Co-operative Committee

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Exhibited at New York, Oct. 10, by Chas. H. Totty, Madison, N. J. Antigone, white, Jap. Inc., Com. scale 88 points, Ex scale 85 points.

Exhibited at Chicago, Oct. 10, by Elmer D. Smith & Co., Adrian, Mich., Golden Queen, yellow, Jap. Inc., Com. scale 90 points.

Exhibited at Cincinnati, Oct. 10, by Elmer D. Smith & Co., Adrian, Mich., Golden Queen, yellow, Jap. Inc., Com. scale 91 points.

Exhibited at Philadelphia, Oct. 12, by Elmer D. Smith & Co., Adrian, Mich., Golden Queen, yellow, Jap. Inc., Com. scale 89 points. Ex. scale 86 points.

CHAS. W. JOHNSON, Secretary.

MISSOURI BOTANICAL GARDEN.

Twenty-fifth Anniversary.

On October 15-16 the directors of the Missouri Botanical Garden celebrated

the 25th anniversary with a meeting of a number of noted botanists from all parts of the world. A feature of the meeting was the number of women botanists present. The meeting wound up with a banquet to the visitors by the directors of the garden at the Lilderkrantz Club, which was decorated with smilax and water lilies, favorite flower of Henry Shaw, the founder of the Garden. The affair was a great success.

CLUB AND SOCIETY NOTES.

A state-wide distribution of free tickets to the National Chrysanthemum Show, at the German House, Indianapolis, Ind., Nov. 6, 7 and 8, has been inaugurated, and it is expected that the attendance will be far beyond that of any other flower show ever held in Indiana.

The fall exhibition of the Germantown (Pa.) Horticultural Society took place Monday, October 12th, in the lecture hall of the Library Building, Vernon Park, the exhibits including dahlias, plants, collections of fruits, grapes and gentians, and specimen plants.

The Hyde Park (N. Y.) Floral Association at a meeting at the school house made arrangements for the annual exhibition, which will take place at the Town Hall on Saturday, November 7. The exhibitors are requested to make entries to the secretary before 8 p. m. November 6.

The annual exhibition of the Tuxedo (N. Y.) Horticultural Society will be held at the Tuxedo Club House on Friday, Saturday and Sunday, October 30, 31 and November 1. It is expected that this year's exhibits will outclass all preceding ones as this year's lists includes 105 classes. Competition is open to all and all entries must be made to Frederick Bentley, the manager, on or before October 27.

The Worcester County (Mass.) Horticultural Society will hold its annual chrysanthemum show, November 5th and 6th. The judges are: William Anderson, Lancaster; Herbert A. Cook, Shrewsbury, and Charles Greenwood. Committee on arrangements and exhibition, H. R. Kinney, chairman; Arthur H. Harts-horn, Albert H. Lange, William J. Wheeler, Mrs. Percy G. Forbes, Simon E. Fisher, H. Ward Moore, Arthur J. Marble and Miss Lucy P. Coulson.

The Oregon Dahlia Society held a dahlia show at Portland, Ore., on October 9 and 10. No less than 750 varieties were staged. In the professional division in which only Gill Seed Company and Willamette Dahlia Company were represented, the following awards were made:

Gill Bros., first on cactus novelties, decorative novelties, show novelties, single dahlia novelties, single dahlias, 12 varieties, collarette novelties, collarette, 12 varieties; pom-pom novelties and pom-pom, 12 varieties; second on 12 varieties show novelties, 12 varieties peony novelties. Williamette Dahlia Company, first on cactus dahlias, 12 varieties, 12 decorative, 12 varieties of show novelties, peony novelties and 12 varieties of peony novelties.

Final arrangements for the Morris County Florists' and Gardeners' annual flower show, which will be held in

James' Assembly Hall, Madison, N. J., on October 28 and 29, were made at a meeting of the members in Masonic Hall last week. The judges will be: John T. Burns, of New Canaan, Conn.; Eugene Bailedouze, of Flatbush, L. I.; Alexander McKenzie, of Highland Falls, and John Herrenhaus, of Princeton. A matter of interest was the exhibition of a new white rose, "White Shawyer," a sport from "Mrs. George Shawyer," grown by Charles H. Totty.

The monthly meeting of the Nassau County Horticultural Society was held October 14th at Glen Cove, N. Y. The judges awarded first prizes for grapes to Henry Gaut; apples, Herman Boettcher; pears, Frank Petroccia. A cultural certificate was awarded Herman Boettcher for 12 varieties of apples, and honorable mention for delphinium; honorable mention to Henry Gaut for quinces. John W. Everitt was presented with the E. M. Townsend cup for roses won at the dahlia show. It was decided to hold a social evening after the meeting on November 11th. James Gladstone was appointed manager of the fall show, October 29th and 30th. Exhibits for next meeting, November 11th, chrysanthemums: three white, three pink and three yellow. President Henry Gaut donated \$10 for prizes for the best table decoration of chrysanthemums, for assistant gardeners only. A motion was carried to send a letter of sympathy to Mr. W. E. Kimball on the death of his wife, an honorary member of this society.

HARRY JONES, Cor. Sec.

On the evening of October 20, Medford (Mass.) Horticultural Society had Mr. John Farquhar as lecturer on Bulbs and Bulb Growing, in Mystic Congregational Church and a large and appreciative audience greeted Mr. Farquhar, who spoke for over an hour in a very instructive and entertaining manner. The pictures of Belgium and Holland thrown on the screen were especially interesting, giving the hearers actually a trip through the bulb growing districts of these countries. Mr. Farquhar stated that the United States this year had been able to secure a much better grade of bulbs than formerly, owing to Russia being at war and their supply coming this way. He also mentioned, that many inferior grades were also arriving, the better ones being held back by some growers to strengthen their stock, while the war lasted, the market not being so good this year, owing to that cause. He made a strong plea for natural planting in woodlands, and in the shrubbery also, stating that much more artistic effects can be made by interspersing clumps in the herbaceous borders than massing in large beds. He showed a picture of the border at Harvard Botanical garden, illustrating this mode of planting. The writer has seen these borders in the springtime, and they are far more effective in my opinion than massing in beds. Mr. Farquhar thinks there will be a scarcity of bay trees and other trained subjects for topiary work owing to the destruction around the headquarters of that industry in Belgium. The storehouses used for wintering these plants being used for war purposes, the coming winter may see them all frozen up. GEORGE F. STEWART.

BRITISH HORTICULTURE.

New Dahlias.

Although it has not been possible to hold the National Dahlia Society's show this year, the society has had submitted to it a number of novelties. Awards have been made to the following new varieties: Lord Kitchener, orange scarlet; W. E. Peters, purple crimson; Melody, primrose florets pointed white; Neptune, bright rose, Lowfield Star, cosmea-flowered, satiny rose.

Items of Interest.

The British fruit show, usually organized in the autumn by the Royal Horticultural Society has been abandoned, and the same fate has befallen the National Chrysanthemum Society's show.—The Perpetual Flowering Carnation Society, however, is holding its show in London, on Wednesday, Dec. 2d, for whom an attractive schedule has been prepared. The secretary is T. A. Weston, Orpington, Kent.—The National Sweet-Pea Society is to hold a series of trials next year.—The Daffodil Year Book for 1914, which has lately been issued, forms a useful addition to the horticultural library.—About forty men have volunteered for active or home service from the Botanical Gardens, at Kew, and more will apply for leave. The number includes sub-foremen, gardeners, constable and laborers.—A 12 days' sale has been arranged, for disposing of a portion of the nursery stock of Messrs. Jas. Veitch & Sons.—Big supplies of bulbs are being received from Holland. One Dutch firm with headquarters in London announce that their supply is assured.

W. H. ADSETT.

Kelway & Son write us that they have just received a notification from the authorities of the Anglo-American Exposition, White City, London, that they have been awarded a gold medal for exhibit of hardy border plants and gladioli in the grounds; silver gilt medal for cut flowers of peonies and herbaceous plants; two silver gilt medals for cut gladioli; grand prize for the highest aggregate marks for the three exhibits.

Among the many other signal awards received this season by this firm were awards of merit for Gladioli, White Giant and Kelway's Abeland by the Nat. Gladiolus Society, and Lord Alverstone and Eldorado by the Royal Horticultural Society and certificates of merit for Gladioli Defiance and A. J. Macself by the Nat. Hardy Plant Society and eight gold and silver medals of various societies.

A ROSE PERGOLA IN JUNE.

There are pergolas and pergolas. Some are simply disfiguring blots on an innocent landscape, awful examples of architectural bad taste. Others, such as that depicted in our cover illustration this week are a delight to the eye. Now that the fall rains have begun hardy rose planting may be done at once and with a little extra winter protection they will give a good account of themselves the first season. Pictures such as the one we show are an inspiration and we refer those of our readers who may have an ambition in the direction of rose arbors, to the dealers in such material who advertise their goods in HORTICULTURE.

THE WAR AND OUR CALLING.

Translated from "Gartenkunst," by Prof. F. A. Waugh, Amherst, Mass.

No field of civilization more clearly requires for its development an undisturbed peace than do gardening and landscape gardening. For this reason our calling has enjoyed a splendid progress during recent years of peace. Constantly pressing forward in the solution of the artistic and constructional problems, garden art in Germany has accomplished much and given even greater promise for the future.

At the same time our profession has achieved the most friendly relations with the gardeners of all neighboring lands, for gardening like all other arts, knows no political boundaries. The next few years should have brought still further extensions of these friendly relations. The effort is not one sided. A Parisian friend only a few days ago was in correspondence with us arranging for a trip of French landscape gardeners through Germany for the study of gardens here, and we planning our heartiest support. And it was only a few weeks since in Copenhagen we exchanged most cordial courtesies with our professional friends of Denmark.

All that is now, by the outbreak of this world war, as by a cataclysm of the elements of nature, vanished if not indeed destroyed altogether. It is easily understood therefore, that we feel ourselves especially injured by the outbreak of hostilities.

But though we are gardeners and landscape gardeners we are above all Germans. Without reservation, and without quarreling with our fate, we are ready, like the men of other callings, to do and bear everything necessary in this sad moment for the good of the Fatherland. Very many of our colleagues, and amongst them our best friends and those on whom the future of our art depends, have responded to the call to arms. Who can say which of them we may see again! Others are listening hourly for the call. And all who may not be permitted at this dark time to save their country with gun in hand will gladly and willingly welcome every opportunity to make themselves useful in every capacity.

It remains for everyone in his place to do everything with all the members of our calling, during the next few months, to preserve for the future everything possible from what has been built during the past years of labor. We can only hope that this storm may prove a clearing shower which will bring with it some good, and that the brighter days will quickly follow the present unhappy times.

We may also express the hope that the most of those whom today with heavy but courageous hearts we see departing for the front, may come back to us hale and hearty to take up again with us the work of our beloved art. For the present away with all fears, and with upright heads and faces to the future, forward!

Editor HORTICULTURE:

Dear Sir—Enclosed you will find check to pay for my subscription. Your journal is clean, instructive and different from the rest. I am glad to renew my subscription.

Yours truly,

Boston.

HARRY QUINT.

COST OF TRANSPORTATION.

A perusal of the following copy of a freight contract such as is now in force for all Holland shipments to this country will give some idea of the costs and risks which importing houses are up against at the present time. Buyers should not find much fault with the unavoidable advance of a few cents per plant under these conditions which must be met.

FREIGHT CONTRACT

Between Julius Roehrs & Company, of Rutherford, N. J., hereinafter called the Merchant, and the Holland-America Line, of New York, hereinafter called the Carrier.

The Merchant agrees to forward by the steamers of the Holland-America Line all shipments of plants from Holland which he may import into the United States of America, during the period from Sept. 1, 1914, to Aug. 31, 1915.

In consideration of which the Carrier agrees to carry such shipments during the above mentioned period, from f. o. b. Rotterdam to the ports of New York, Boston, Philadelphia, Baltimore and Newport News at the following rates:

Spireas and lilies of the valley: 25/— per 40 cu. ft.

Plants and shrubs (including evergreens and conifers): 18/— per 40 cu. ft.

Young deciduous trees (not shrubs, evergreens nor conifers); Plants in hamper, tubs and canvas, each containing one plant; cheap standard trees (shrubs and young deciduous trees excepted), loose or partly packed; Cheap standard trees in cases above 12 feet in length; Cheap standard trees in cases above 12 feet in length when shipped in lots of over 200 tons measurement on one bill of lading: 15/— per 40 cu. ft.

For shipment to Philadelphia via New York 2/— per 40 cu. ft. is to be added to the above mentioned rates.

Under cheap standard trees in cases above 12 feet in length are understood; cheap trees of about that size, so that only one tree can be packed in the length of the case; under this heading only so-called high standard trees can be shipped.

The rate on young deciduous trees (not shrubs, evergreens nor conifers) and cheap standard trees in cases above 12 feet in length will be applied only if the goods are so declared in the bill of lading and provided the consular invoice is supplied for perusal to the steamship company, at port of sailing or arrival in the Company's option.

The freight on the above-named articles should be prepaid; if not prepaid the merchant hereby guarantees full payment of all freight regardless of condition of merchandise upon arrival or entire non-arrival of the goods, caused by seizure or otherwise.

The Carrier shall not be liable for delays in transportation, nor for any loss or damage occurring while the goods are not in its actual custody; all goods considered dangerous by it may be refused loading at its discretion and all shipments shall be subject to the terms of the Line's regular bill of lading now or at any time hereafter in force, whether actually issued or not. The Carrier shall be exempted from receiving and loading shipments hereunder during war, pestilence, strike, lockout and boycott.

IN WITNESS WHEREOF we have hereunto subscribed our names and affirmed to three copies.

Rutherford, Sept. —, 1914.

New York, Sept. 25, 1914.

HOLLAND-AMERICA LINE GENERAL

AGENCY,

W. T. Ruck, Manager.

NEWS NOTES.

Lebanon, Tenn.—On and after January 1st, 1915, the name of the Lebanon Floral Co. will be changed to the Anderson Floral Co.

Boone, Ia.—J. Loehrer lost over 5,000 feet of glass in the hailstorm which occurred October 6th. The loss on the glass is fully covered, but many plants were ruined.

ANTIQUATED PHILOSOPHY.

Twenty-eight years ago the standardizing of geranium prices started in Philadelphia. One dollar a dozen. The meeting was held away out about the Bull's Head, 40th and Market streets. They all agreed to \$1.00 a doz., yes; and so for a month or two they thought they had reached the millenium. Then they discovered that one of the signers was giving fifteen for a dozen! The combination busted right there and then, and the "fifteen for a dozen" man has never been able to see why. Some of our modern agitators seem to be starting at that very point—twenty-eight years behind the times, with the idea that it is possible to standardize prices in flowers.

It can't be done: Why, even the great United States Steel Co., cannot standardize prices; nor the sugar trust; nor even the United States itself. Take the gold standard for instance. The immensely increased production of gold in recent years makes our gold dollar of less purchasing power. The "high cost of living" proves that. Commodities accommodate themselves quicker to the decreased value of the dollar than salaries do. The only thing that can standardize a price is an absolute monopoly. Without that, the law of supply and demand works inevitably, and makes the price, no matter how powerful the bull, edict or proclamation may be; nor how powerful the individual, corporation, state or nation that may utter same.

By the way—if we must put up funds for the cotton growers, if they exceed their market, why not also for the American Beauty growers? or growers of anything else, for that matter. There's the apple crop this year—a drug—because Hamburg is closed. Why not a bounty to the apple men? Sounds ridiculous don't it, when you come to think it over. Paternalism run mad.

GEORGE C. WATSON.

ON THE GULF COAST IN DIXIE.

All along the gulf coast there are evidences that seeds and nursery stock are in good demand. The development of the South along the lines of citrus and other fruits has been very rapid and makes ready sale for the output of the many nurseries that are increasing rapidly in this land of sunshine. They are scattered all along the gulf and the larger nurseries have branches in several towns. It was interesting to note the degree of perfection to which the Japanese have brought their nurseries and their advice is eagerly sought by their neighbors and it is freely given.

The South is suffering more from the European war than are other parts of the country. With their market, which is largely a foreign one, cut off, nearly all lines of business are depressed. The cotton situation has been helped to a degree by the "Buy a bale" movement and the response given to it is everywhere evidenced by the bales of cotton placarded. "This is our bale, where is yours?" This has helped out the growers, but has only passed the solution of the problem on to the merchants, who are

WINTERING BAY TREES.



Bay Tree Storage House at Dreer's, Riverton, N. J.

Conditions in the bay growing districts in Belgium are not reassuring as to the continuance of the abundant supply of trees which has been coming to this country in the past, and, no doubt, those now in the hands of dealers will be carefully looked after.

A cool shed or a cellar where light and air are sufficient will keep these trees over the winter in good condition. They need a rather moist atmosphere and a temperature of 40 to 46 degrees. Our illustration shows the ideal way to winter bays, however.

advocating the growing of other crops next year instead of cotton. The seedsmen are busy and to sit in their stores and watch the people come and go, one could but be impressed with the idea that the seedsman is getting his full share of what business there is.

The planting of pecan orchards is working a revolution in this country too, and the nurseries are busy supplying the young stock of the many improved varieties. Ornamental stock is also grown, but the effort at beautifying the homes is far from general and public parks are extremely few. The South is like a new country with only a touch here and there showing what can be done in this land of fruit and flowers. Northern capital is going there to develop the land and in its development the seedsman and the nurseryman will play an important part.

M. B. HANCOCK.

The list of jurors selected to try Mrs. Carman in the famous murder case at Mineola, N. Y., includes two gardeners and one florist. The accused lady is said to have characterized the jury as "splendid." No doubt.

Jefferson, Ohio — The Jefferson Greenhouse Co., which was organized last May, has practically completed one of the most modern vegetable greenhouse plants in the country. Four thousand tomato plants, averaging four feet in height, under six houses, each house 15 by 200 feet. As soon as the tomato crop is disposed of, lettuce, cucumbers and other vegetables will be planted.

A modern packing house, 30 by 100 feet is on the property, being used also for the boiler room where two massive Erie City boilers of 100-horse power are stationed. A gas engine pumps the water used for irrigation purposes, and the office is located at the entrance to the building. A three-ton auto truck will shortly be put into commission, and a thousand barrel cistern has been constructed. Stock in this enterprise is all practically owned in Jefferson, the capitalization being \$10,000, paid up. L. J. McNutt is president; R. G. McNutt, secretary, and H. J. Warner, treasurer. A. V. Miller, of Ashtabula, is manager.

EFFECT OF CARBON BISULPHIDE IN SOIL.

Following the reading of the instructive paper on the adaptation of plants to soils, by Dr. George E. Stone at the Boston S. A. F. Convention, a question from the floor brought out some very valuable facts regarding the use of bisulphide of carbon. As we have in our previous issues published Dr. Stone's paper in full, it may be acceptable to our readers that we also give space to his remarks on the bisulphide subject and several other topics.

Being asked whether bisulphide of carbon in the soil would produce the same result as sterilizing the soil, the lecturer replied that some experimenters have reported remarkably stimulating effects on plants from the use of carbon; bisulphide; they claim that these effects are very similar to those produced by the use of steam in sterilizing. He continued—In soils with which we have experimented we get only a slight stimulation from the carbon bisulphide when applied to the soil. We would not consider, by any means, the application of volatile substances in general to the soil to be as valuable as steam. Steam not only accomplishes what carbon bisulphide does, but in addition renders the constituents of the soil more available for plant food.

It is a question whether bisulphide of carbon, which is an expensive chemical, would be cheaper than steam. Moreover, when using these chemicals the greenhouse must be empty and remain so for two weeks or more, and the soil constantly stirred in order to get rid of the volatile substances. In Ohio, where the soil is quite compact and where the steaming makes it soggy, they use formaldehyde for the purpose of killing various organisms. However, it has not the same fungicidal or bactericidal effect as steam, and is therefore more limited in value. In one or two instances in Ohio they have reported considerable increase in the crop by the use of formaldehyde. This increase is believed to be due to the destruction of the protozoa in the soil by the formaldehyde, but I believe that there is also a direct stimulating effect resulting from the use of formaldehyde. Personally, I prefer the steam method of treating soils, rather than the chemical method.

Carbon bisulphide, said Dr. Stone, is a chemical used for killing various forms of animal life, and when applied to certain soils it has a quite marked stimulating effect on the growth of plants. Many chemicals have this same effect; e. g., if willow cuttings, etc., are grown in water charged once in 3 or 4 days with illuminating gas, both the roots and stems are greatly stimulated. In some cases we have observed as much as 1,000 per cent. increase as the result of the gas treatment. As already stated, many chemicals are capable of stimulating plants whether grown in water, soil or sand. It is further believed by some that these volatile chemical substances such as carbon bisulphide, formaldehyde, etc., destroy the protozoa in the soil which are supposed to feed upon beneficial bacteria, as the result of which it is believed that a stimulated growth of the plant follows.

A question was asked concerning grape leaves covered with little nod-

AN ELEGANT SHOW CASE



In previous issues we have presented illustrations and description of the notable horticultural building of F. R. Pierson Co., at Tarrytown, N. Y. One of the richest accessories of this establishment is the flower show case a picture of which appears herewith. Passing through Broadway, Tarrytown, in the evening, the store being dark, and this show case flooded with light, one's attention is irresistibly drawn to the brilliant and unusual spectacle. It is certainly one of the most effective advertising devices in the florist trade.

Like all the features of the estab-

lishment this refrigerator show case is built of the most costly material and very beautiful in design and finish. It is 7 feet deep, 16 feet wide and 8 feet high. The frame work is steel and concrete, the exterior is marble, bronze and Caenstone, the floor moss-green tile, the ceiling quarry tile, the walls plate glass mirrors and opal the front double plate glass with air space between and the lighting is by two opalescent globes in the ceiling. The arrangements in the rear for the reception of ice, etc., are ingenious and practical. Mr. Pierson admits it cost lots of money, but as an advertisement alone it will soon pay for itself.

Like all the features of the estab-

ules on the underside, as to whether these were caused by over-feeding. Prof. Stone replied that these nodules may have been caused by over-feeding or insects, or mal-nutrition.

A member said: I would like to ask Prof. Stone relative to the use of arsenite in order to kill white lice. The moment the plants are sprinkled, the water from the sprinkling seems to unite with this arsenite and any leaves that the water, mingled with the arsenite, touches have an appearance as if they were burned.

Prof. Stone: It is not quite clear to me what chemical you used. Arsenite or arsenate of soda, however, is very poisonous to plants, and will burn foliage even in quite weak strengths. On the other hand, arsenate of lead is not so poisonous and is used for spraying trees. This is usually employed at the rate of 10 pounds to 100 gallons for spraying trees, and even this strength often injures plum trees. When used at the rate of more than 12 pounds to 100 gallons of water it is likely to injure various types of vegetation.

A Member: This seemed to have a burning effect. Does the uniting of the water and the arsenate produce any action?

Prof. Stone: No, except the soluble effect of the water and the greater distribution thereby over the surface of the leaves of the plant.

MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

The Landscape Art Club held its first meeting last Tuesday evening. Prof. Waugh, head of the department of landscape gardening, was the speaker.

The Florists' and Gardeners' Club has elected William L. Doran as president; Charles E. Hathaway, vice-president, and Miss Helen Burt, secretary-treasurer. The program committee is in charge of Charles Hathaway and Stanley Wright. Speakers will be secured to lecture on floriculture and allied subjects.

The senior class in landscape gardening made their annual trip to the Hartford parks, Hartford, Connecticut, on Saturday, October 10. The Elizabeth park features of special interest were the rose garden, rockery and herbaceous garden. In Colt park, the play ground is the feature, with home-made apparatus. Here is the statue of Colonel Colt well set off by a striking background of poplars. Keney park is the best in its naturalistic style of treatment. It is a park of wild scenery.

W. H. HATFIELD.

MUST HAVE ROOM

Big Bargains in Lorraine Begonias

This is A1 Stock of the well-known Edgar Quality. Special Value.

3 inch, \$20.00 per 100; 4 inch, \$30.00 per 100
5 inch, \$40.00 per 100; 6½ in., \$60.00 per 100

Also Azaleas and Other Seasonable Plants

W. W. EDGAR CO., WAVERLEY, MASS.

Obituary

Wm. L. Palinsky.

Wm. L. Palinsky, florist, of Chicago, died October 10, of quick consumption. Mr. Palinsky was one of the oldest and most enterprising florists in the city and had built up a big business from a very small beginning. His daughter, Sadie, will continue the business. The funeral was held October 13 from the residence at 2867 Palmer street.

Nelson B. White.

N. B. White, a well-known grape grower and occasional writer for *HORTICULTURE* on the subject of grape hybridization died on October 20, at his home in Norwood, Mass., in his 91st year.

For more than half a century Mr. White experimented with grape culture. His garden was his laboratory. Many years ago he offered his property to the Massachusetts Agricultural College, but the transfer was never effected. He originated several varieties of grapes that stood at the head for nursery lists for years. The original vines still live in the Norwood garden, though several of them were "sold out" for \$500 each to the nurserymen in various parts of the country, and Mr. White, years ago, was in the habit every fall of clipping, packing and shipping the buds to the owners. One of his last productions was the Early Bird, which Mr. White claimed should prove as rich and famous for Massachusetts as the Concord grape did for New York.

INCORPORATED.

Ashtabula, O.—J. H. Rice Co., nurserymen, capital stock, \$50,000.

Jackson, Miss.—Fain Seed Co., capital stock, \$10,000. Incorporators, J. B. Fain and L. C. Moorer.

Salisbury, Md.—W. F. Allen Co., nurserymen, capital stock, \$50,000. Stock held by W. F. Allen and family.

Boston, Mass.—MacMulkin, Incorporated; Edw. J. MacMulkin, James E. Henchey, F. J. Carney. Capital stock, \$30,000.

Corning, Cal.—The Northern California Nursery has been incorporated at Corning, Cal., with a capital of \$50,000, by W. V. Beresford, F. G. Beresford, C. E. Hazen, E. R. Balderston and E. E. Whitaker.

GREENHOUSES BUILDING OR CONTEMPLATED.

Silltown, Ct.—Harry Hoffman, one house.

Reading, Pa.—Chas. W. Wilhelm, one house.

Ambler, Pa.—Woman's School of Horticulture, one house.

Minot, N. D.—Geo. Valker, range of Garland houses.

Annapolis, Md.—Rudolph Kaiser, house 18 x 40.

Essex, Mass.—T. B. Gannett, Jr., conservatory.

Manchester, Conn.—Bon Ton Flower Co., one house.

Duluth, Minn.—F. C. Davis, 58th avenue, one house.

Chicago, Ill.—North Shore Floral Co., conservatory.

Weilersville, O.—Yoder Greenhouses, addition 80 x 125.

Sioux City, Ia.—J. N. Nordstrom, three houses, each 54 x 180.

St. Louis, Mo.—Leo Eberenz, Easton Avenue Heights, two houses.

Chambersburg, Pa.—Daniel S. Zearfoss, Curtin avenue, house 22 x 80.

Milwaukee, Wis.—Kummer Floral Co., 1261 Hopkins street, one house.

Jefferson, O.—Jefferson Greenhouses, six vegetable houses, each 15 x 200.

Seymour, Conn.—Thomas J. Mooney, a florist at Seymour, Conn., his wife and two children were thrown from a wagon on Friday night, Oct. 10, when an auto bearing Connecticut license 13,089 collided with it here. The autoists immediately drove away without ascertaining the extent of injuries to the occupants or damage to the wagon, not, however, until Mr. Mooney had torn the rear markers from the machine. Mooney received several scalp wounds and the others were somewhat bruised. The Connecticut register gives as the owner of the car Frederick H. Chase of South Kent, Conn.

BUSINESS TROUBLES.

Albany, N. Y.—Edmund S. Hazeltine, Central avenue, florist, assets, \$4,665; liabilities, \$29,722.

Poughkeepsie, N. Y.—Olson Sherwood, violet grower, assets, \$3,650; liabilities, \$6,364.

New York, N. Y.—Otto Burkard, florist, 1402 Madison avenue, assignment to Anna Burkard.

Baltimore, Md.—B. F. Bond Paper Co. and H. Bayersdorfer & Co., have asked for the appointment of a receiver for Forthuber Bros. Company, florists, 1905 Greenmount avenue, with greenhouses on Belair road.

The dropping of the leaves reminds us that the time for combating scale pests is at hand. We have heard nothing but good reports of the efficacy of Scalecide for this work in the past and large quantities of it will be needed this season, judging from reports on scale prevalence in many sections. B. G. Pratt Company guarantee that this remedy will do everything that lime-sulphur claims to do as a dormant spray, and some things that lime sulphur cannot do. They also guarantee that Scalecide, used according to the directions, will kill every scale hit with it, and some not actually hit, because of its crawling nature, without injury to tree or fruit bud.

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

ARE YOUR PLANTS MOVING?

If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. **Cash Ready.**

We are the *Largest Distributors to the People* in the United States.

C. C. TREPEL

LOESER'S, Brooklyn, N. Y.
BLOOMINGDALE'S, N. Y. City
GIMBEL'S, New York City

Stuart Low & Co., Bush Hill Park Nurseries

ENFIELD, ENGLAND

ORCHIDS, 25 houses full.

PALMS, 40 houses full.

FRUIT TREES for garden, 100 acres.

FRUIT TREES, pot grown for Orchard houses.

FIG TREES, pot grown.

GRAPE VINES, pot grown.

ROSES, field grown by the 100,000.

ROSES, pot grown for Pergolas and forcing.

CYCLAMEN SEED, very finest strain.

Headquarters in
England for These Lines.
Write for Catalogue.

Our representative will be in the United States during September and October and will be pleased to meet or give particulars to anyone interested. Address

Mr. Harry A. Barnard, Hotel Albert, University Place, New York City

VALLEY GET THEM QUICK VALLEY

High Grade Pips in Cold Storage. Only a quarter million left.
To Dealers Only.

McHUTCHISON & CO., 17 Murray St., New York

ELLIOTT AUCTION COMPANY

SALES DAYS

Tuesday and Friday

42 Vesey St., New York

Consignments Solicited

CATALOGUES RECEIVED.

Fraser Nursery Co., Huntsville, Ala.
—Wholesale Price List, Fall, 1914, for
Nurserymen and Dealers Only.

F. C. Heinemann, Erfurt, Prussia.
Illustrated and descriptive price sheet
of flower seed novelties for season of
1914-15. Improved Godetias, Viscarias,
Chrysanthemum maximum and "Du-
plex" hybrid Begonias are featured.

New Rochelle, N. Y.—F. C. Hitch-
cock has leased the Dickinson Green-
houses for five years.

JAPANESE Bamboo Canes

Just the thing for
Staking Plants and
Small Trees

	Per Bundle
6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

30 and 32 Barclay Street
NEW YORK

SURPLUS OFFER TO CLEAR

Buddleia Asiatica

(White-flowered Winter Lilac)

An elegant pot plant suitable for general decorative purposes and cutting. Very fragrant.

Strong plants in 2½-in. pots, \$1.25 per dozen; \$10.00 per 100; 3-in. pots, \$2.00 per dozen; \$15.00 per 100.

Buddleia Officinalis

An excellent companion to Buddleia Asiatica with rose-pink fragrant flowers.

Strong plants in 4-in. pots, \$2.50 per dozen; \$20.00 per 100.

R. & J. FARQUHAR & CO.

6 South Market St., Boston, Mass.

HEACOCK'S KENTIAS



ORCHIDS

Established Plants and
Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

ORCHIDS

We grow and sell nothing but ORCHIDS. If you are in the market for this class of plants we respectfully solicit your inquiries and orders. Special lists on application.

LAGER & HURRELL, Summit, N.

When writing to advertisers kindly mention *HORTICULTURE*.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

General Prospects.

It cannot be said that the prospects of the American seed trade are altogether rosy, but it is safe to say that there will be no famine in the leading varieties the coming season. What next year may have in store is quite another matter, and we do not feel like hazarding our reputation as a prophet by making any guesses or predictions of what the future has in store for the trade of this country. Most of those with whom we have talked are of the opinion that standard stocks will be much shorter and higher in price another season than the one now beginning. Undoubtedly many of the seed stocks that are now imported can be grown successfully in this country. The trouble, however, is in the matter of biennials. It requires, as the term indicates, two years to secure a crop of seed, and as the roots necessary for this purpose have not been produced in this country this year, it will require two years at least to meet the demand. However, we may say "sufficient unto the day is the good or evil thereof," and as we have enough for the season's requirements we may live in hopes that next year's needs will be supplied from some source.

European Prospects.

The seed trade generally seems to be more or less at sea over the European situation affecting their business. We have remarked heretofore that most of the leading European dealers are not only promising that all orders thus far received will be delivered, but are advertising in American trade journals soliciting additional business. It is useless to go over the ground we have already traveled in previous issues, as we cannot but believe that those who are relying for their supplies on certain European countries are likely to be disappointed. No doubt many of the items ordered abroad will be received in time for the coming season's trade, but what makes the situation so doubtful is not being able to even guess what varieties will be received and what varieties will be omitted. This matter will doubtless be fairly well cleared up by the first of the year, and if none of the countries now neutral become involved in the war, it is more than probable that a considerable percentage of goods ordered from Europe will be received some time during the season.

Bean Crop Estimates.

We have called attention to the very short bean crop of the past season, and during last week many of the leading pea and bean growers have sent out their preliminary estimates and we may say that as a general rule deliveries of peas will average close

BODDINGTON'S Quality French Bulbs

FOR IMMEDIATE DELIVERY

Remember you may deduct 5% if cash accompanies the order

LILIUM CANDIDUM

The thick-petaled kind. We offer only the Northern grown. August delivery. They are hardier and free from disease. "Variety is the spice of life." You should plant some of these. They are excellent for cutting in May and June, and your customers will appreciate the change from the so called Easter Lily. 20 to 22 ctms., \$4.25 per 100, \$40.00 per 1000; 22 to 24 ctms., \$4.75 per 100, \$45.00 per 1000.

QUALITY BRAND PAPER WHITE NARCISSUS GRANDIFLORA

	100	1,000	5,000	10,000
13 centimeters and up, running about 1250 to the case.....	\$1.00	\$9.00	\$32.50	\$80.00
14 centimeters and up, 1000 to the case.....	1.25	10.00	48.50	95.00

QUALITY BRAND FRENCH ROMAN HYACINTHS

	100	1,000
White. 11 to 15 centimeters, 2100 bulbs in a case.....	\$3.50	\$32.75
White. 12 to 15 centimeters, "Quality Brand," 1900 bulbs in a case.....	3.75	35.50
White. 13 to 15 centimeters, "Quality Brand," 1600 bulbs in a case.....	4.25	40.00

FREESIA REFRACTA ALBA QUALITY BRAND

	100	1,000
Bulbs, $\frac{3}{8}$ to $\frac{1}{2}$ inch in diameter.....	\$0.75	\$6.00
Mammoth Bulbs, $\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter.....	1.00	7.50
Monster Bulbs, $\frac{3}{4}$ inch and up in diameter.....	1.25	10.00
Jumbos	1.50	12.00

FREESIA PURITY

Flowers are snowy white, of large size, and borne in great profusion on long stems. First size, \$1.75 per 100, \$15.00 per 1000. Second size, \$1.25 per 100, \$10.00 per 1000.

LILIUM LONGIFLORUM FORMOSUM

We have a small stock of the following and offer until sold as follows:

	Doz.	100	1,000
7 to 9-inch, 300 bulbs in a case.....	\$1.00	\$7.25	\$70.00
8 to 10-inch, 225 bulbs in a case.....	1.25	9.50	93.00
9 to 10-inch, 200 bulbs in a case.....	1.50	11.25	110.00
10 to 12-inch, 200 bulbs in a case.....	2.00	15.50	155.00

THESE PRICES ARE FOR THE TRADE ONLY.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK

to 100 per cent. With reference to beans, however, the situation seems to be what we may term somewhat mixed. Most of the estimates we have seen show an average better than 50 per cent.; while two or three will hardly average 25 per cent. A number of leading varieties are classed as crop failures, while the percentages on many others are down to 10 and 20. If those making the high estimates are able to deliver what they now intimate, conditions will be much easier than appeared probable a few weeks ago; but to quote a popular song, "Tis a Long Way to Tipperary," and deliveries may fall considerably below present estimates. It seems strange that the majority of growers should be able to deliver an average of better than 50 per cent.,

while others will hardly equal half of that. Why this should be, we confess our inability to explain, but when deliveries are actually made and the beans are in the hands of the dealers we shall know which of these estimates is nearest to the true situation.

Onion Seed Crop.

It has been reported that the onion seed crop of California was not quite up to average the past season, but doubtless there will be enough seed to meet all demands. As the onion crop this year is large, prices at this date are ruling very low. It is generally understood in the trade that when onions sell at strong prices and are in ready demand the call for onion seed is usually very active. On the contrary, when onions are low in price,

the demand for seed is correspondingly small. Perhaps after all "the wind is tempered to the shorn lamb." As the onion crop is large we assume that the crop of onion sets is also large and that prices will rule low, though as yet we have no definite information on this point.

Effects of the Drought.

The long sustained drought which has prevailed over southern New York, New Jersey and portions of New England has at last been broken and we may now look for an abundance of moisture from this time on possibly a little more than will be appreciated. We learn that truck farmers in the districts named have had a rather bad year of it, and that collections from this source have been very unsatisfactory. This applies especially to renters. Most of this class of farmers have nothing but their crops to rely on, and when these are light they are unable to pay their bills, and the seedsmen who trust them are the sufferers.

An Innovation.

Many of our readers have doubtless seen Stokes' Seed News and have read the rather unique plan which Stokes' Seed Farms Company propose to operate under. While the main features of this plan are not altogether new, many of the details may be classed as quite novel. It will require quite a genius to successfully carry through the plans as outlined in Stokes' Seed News, but we extend our best wishes to the new organization and trust they may be able to realize the fulfillment of their plans.

New Seed House.

A new seed house has opened in Philadelphia under the title of the W. J. Stokes Seed Company. This company must not be confused with the Stokes Seed Farms Co., or the firm of Walter P. Stokes as there is no connection between them whatever. Mr. Stokes is a capable gentleman and is very optimistic and confident of making a success of his new business, and we extend to him our best wishes.

California Seed and Bulb News.

San Francisco wholesalers have had a very busy week with the shipment of Dutch bulbs, deliveries of which have been extremely large. The advance orders have practically all been filled, but additional business is coming out in good volume. There is plenty of stock so far, but it is moving off even faster than was anticipated. The retail trade in both bulbs and seeds is opening up in very good shape, especially in San Francisco and the Bay towns, and the first good rain is expected to bring unusual activity.

Personal.

Another distinguished seedsmen has entered the political arena in the person of W. Atlee Burpee, who has been appointed treasurer for the Union League Club of Philadelphia, to raise funds for the Republican state campaign. It may be putting it a little strongly to say that Mr. Burpee has entered the political arena and if he resents the term we apologize; and will be willing to accept whatever definition he may choose to

give his new position. Very few seedsmen have found time to engage in politics, and not all those who have, have been able to make a pronounced success of it; but as Mr. Burpee is taking no active part in the campaign beyond acting in the capacity above named, and is not a candidate for any office he would not come under the above category.

We have been informed that Frank T. Wood, formerly of Wood, Stubbs & Co., Louisville, Ky., has been engaged to manage the garden seed department of the J. Chas. McCullough Co. He should prove a decided acquisition. We extend our best wishes to Mr. Wood in his new position and believe he will be able to make good.

F. W. Bruggerhof, head of Thorburn's, New York, celebrated his 84th birthday on October 15th. The seed trade everywhere will, we are sure, join heartily in our congratulations and earnest good wishes for many more years of health and usefulness for the grand old man of the American seed trade.

Notes.

Azaleas arriving in St. Louis during the past week are reported as being in bad condition in some instances.

Milwaukee, Wis.—Currie Bros. Company will move from their old quarters on Broadway about January 1st, 1915. They have rented a seed store on East Water street.

A full page announcement, published in the Horticultural Advertiser, London, October 7, by the Agricultural Seed Trade Association of the United Kingdom is as follows:

WARNING.

It having come to the knowledge of this Association that certain Traders in Germany are offering their cleaned Natural Grasses through indirect channels to the British Seed Trade,—

It is necessary to warn Seedsmen against the purchase of such goods, as being contrary to the Law of the Land.

Moreover, most of these Grass Seeds are produced outside Germany, and are in fact imported in their uncleaned state from the countries of origin.

The patriotic course, therefore, is to purchase your Natural Grasses from British Wholesale Houses, who buy in the same Markets and clean up to the same standards as the Germans.

The following pertinent notice is being sent to bulb customers by A. T. Boddington of New York. The warning against inferior surplus stock is timely and cannot be too strongly emphasized by the American trade.

We are often asked what effect the war is having upon the bulb business. In the first place, it has very much delayed the deliveries of French and Holland goods, and it seemed at one time as if no shipments would be received. The usual full line of bulbs is offered, with few exceptions. We now expect to have deliveries upon all varieties. If, however, you are short shipped upon your order, excuse the delay which is entirely beyond our control; the balance of bulbs will be forwarded as soon as received, or if totally unable to supply or procure, we will notify you. Owing to the Holland houses receiving many cancellations from Russia, France and Germany, a great many inferior bulbs are being thrown upon the American market, and we ask our customers to beware of this stock, mostly sent over by irresponsible firms.

ARTHUR T. BODDINGTON.

342 West 14th St., New York.

BULB HEADQUARTERS

**Hyacinths
Tulips
Narcissus
Freesias
Lil. Formosum
Lil. Giganteum**

Also all other Bulbs, Seeds and Supplies for the Florist.

Send for our New Wholesale Catalogue and Price List if you haven't received a copy. It's free for the asking.

Henry F. Michell, 518 Market Street
PHILADELPHIA, PA.

BULBS SEEDS ROOTS

For Fall Planting or Forcing

EXHIBITION QUALITY

Best Values in Boston.

THOS. J. GREY CO.

32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

J. W. Edmondson, Mgr. M. W. Williams, Sec'y
California Seed Growers Association, Inc.

Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

PUBLICATION RECEIVED.

Little Bulbs for Little People.—This is a four-page sheet written for A. T. Boddington by Ellen Eddy Shaw. It tells the reader how to plant and care for bulbs successfully. It is a straight and genuine story without frills or thrills and if everybody—man, woman or child—who has a garden, small or large, could have a copy of this timely pamphlet the country would be gorgeous with bloom as a result. It is a "business-getter" because it is sensible, truthful and convincing and no detail or contingency is overlooked.

When writing to advertisers kindly mention HORTICULTURE.

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm



PANSIES A SPECIALTY

Our Triumph Exhibition Mixture

is especially desirable for its variety of colors and markings. Trade Packet, 75c.; Oz., \$6.00.

Our Boston Florist Mixture

is especially adapted for florists' use. Trade Packet 75.; Oz. \$5.00. Our Trade List gives a most complete list of named varieties we carry in stock.

ASK FOR IT

FOTTLER, FISKE, RAWSON CO., THE SEED STORE
Faneuil Hall Square BOSTON

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

At 69 cents per lb.

F. O. B. TENERIFFE, packing extra.

YELLOW AND RED BERMUDA ONION SEED FOR ONION SETS

Several small growers in Teneriffe have given me the commission to offer and clear their surplus stock of 1914 onion seed at the above low price, subject to being unsold. Terms C.O.D. Cable orders to FEDERICO VARELA, TENERIFFE, and sign your full name.

THIS OFFER IS OPEN TO SEEDSMEN ONLY.

GARDEN SEED

BEEF, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Dey St., NEW YORK
and ORANGE, CONN.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

WHAT ABOUT THAT BULB ORDER

We are now prepared
to take care of your
entire wants

Send for Our Fall Catalogue

JAMES VICK'S SONS, Rochester, N.Y.

Place your order now for Ayres' Winter
Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

NEW CROP SEEDS

FOR FLORISTS

Ask for 1914 Catalogues

Joseph Breck & Sons Corp.

Seedsmen

47-54 No. Market St., BOSTON, MASS.

Thorburn's Seeds

WE often have an overstock of popular seeds and bulbs which we are able to supply below the market.

Ask us about it and watch for our column announcements.

J. M. THORBURN & CO.

In Business Since 1802

53 Barclay Street - New York

New Crop Seeds

FOR FLORISTS AND MARKET
GARDENERS.

SALVIA—Splendens, Bonfire.

ASTERS—All varieties.

VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St.
STAMFORD, CONN.

J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia.

Catalogue on application

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.

166 Chamber of Commerce Bldg.

Boston, Mass.

Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT

PALISADES POPULAR

ALL MADE

A RARE OPPORTUNITY OF STOCKING UP FOR FALL AND WINTER

Special surplus offer HARDY PERENNIALS or Old Fashioned Flowers. Prices are for strong stock, field grown, remains open. Terms cash, f. o. b. Sparkill, New York. Packing at cost. Subject to prior sales. For varieties than 25 of one kind is wanted add 10% to the 100 rate.

3 in. Pots.	Field Roots.	Name.	Price per 100.	3 in. Pots.	Field Roots.	Name.	Price per 100.
500	150	Acanthus Mollis.....	\$6.50	500	500	Chelone glabra alba.....	\$6.50
250	500	Achillea Mill. Roseum.....	3.50	500	500	Chrysanthemums clumps.	
1250	300	" Cerise Queen.....	4.50			Hardy pompons, 15 sorts	
1500	"	The Pearl.....	3.50			double and single named.	5.50
350	350	Aegopodium Pod. var.....	3.50	1500	"	Nipponicum.....	5.50
600	600	Agrostema coronaria.....	3.50	750	"	Inodorum.....	3.50
500	"	Alba.....	4.50			Maximum (see Daisy).	
500	500	Ajuga Genevensis.....	3.50	100	"	Clematis Davidiana.....	5.50
250	250	Alyssum Sax. (cup).....	5.50	300	300	" Heracleifolia.....	4.50
2000	2000	Anchusa Dropmore Var.....	5.00	1000	1000	Convallaria Majalis (Lily	
1000	"	Opal (new).....	5.50			of the Valley clumps).....	10.00
500	500	" Perry's Var.....	6.50	3000	3000	Coreopsis Lanc. grand.....	3.50
250	"	Myosotiflora.....	12.00	300	"	Rosea.....	4.50
500	500	Anemone Jap. Alba.....	6.50	2500	2500	Daisy Shasta.....	4.50
250	"	Queen Charlotte.....	6.50	750	"	Alaska.....	5.50
500	"	Rosea sup.....	6.50	500	675	" California.....	5.50
2500	"	Whirlwind.....	6.50	500	"	King Edw. VII.....	5.50
250	"	Pennsylvanica.....	3.50	1000	"	Triumph.....	4.50
500	"	Pulsatilla.....	5.50	1000	1000	Delphinium Choice hybrids	5.50
1000	1000	Anthemis Nobilis.....	2.50			Formosum.....	5.50
1300	"	Kelyayii.....	3.50	500	"	Coelestinum.....	6.50
1250	"	Alba.....	4.50	750	"	Dianthus Abbotsford.....	5.50
2300	2300	Aquilegia, 10 best named		500	"	Comtesse Knuth.....	7.50
		sorts.....	5.50	750	"	Perpetual Snow.....	6.50
5000	5000	Aquilegia, double mixed.....	4.50	300	"	Superbus.....	5.50
5000	"	single mixed.....	4.50	750	"	White Reserve.....	6.50
500	750	Arabis alba.....	4.50	350	"	Fettes Mount.....	6.50
1400	1300	" fl. pl.....	6.50	650	"	Alice Lee.....	5.50
1000	1000	Armeria marit. splendens.....	4.50	1000	"	Cyclops single.....	5.50
500	"	Alba.....	5.00	500	"	Her Majesty.....	5.50
300	1250	" Formosa hybs.....	5.00	500	"	Scoticus.....	5.50
500	500	Artemisia stellariana.....	3.50	600	"	Souvenir de Salle.....	6.50
600	"	purschiana.....	3.50	1050	"	Furst Bismarck.....	5.50
300	500	" lactiflora.....	6.50	2000	"	Plumarius Seed-	
300	300	Asclepias incarnata.....	3.50			lings, mixed col.....	3.50
1500	"	tuberosa.....	4.50	350	"	Dicentra eximia.....	4.50
500	500	Aster Bty. Colwall (new).....	7.50	1500	1500	Digitalis Foxglove, 10 col.....	4.50
350	"	Feltham Blue.....	7.50	500	"	Grandiflora, yellow.....	5.50
300	"	White Queen.....	5.50	750	"	Doronicum excelsum.....	6.50
500	"	Tartaricus.....	3.50	350	"	Echinops Ritro.....	5.50
300	"	F. W. Burbidge.....	4.50	600	"	Eryngium planum.....	3.50
200	"	Mrs. Perry Improved.....	7.50	500	"	maritimum.....	6.50
750	"	Gertrude.....	3.50	250	"	Epilobium Angust.....	3.50
500	2200	" Grandiflorus (true).....	10.00	1000	1000	Eupatorium coelestinum.....	4.50
450	"	Laevis calliope.....	4.50	600	"	ageratoides.....	4.50
250	"	Novelty.....	4.50	1000	"	Euphorbia corollata.....	3.50
1250	"	Nova Angliu.....	4.50	300	"	Fuchsia Riccartoni hybs.....	6.50
1000	"	" rubra.....	5.50	1500	"	Funkia albo-marginata.....	3.00
500	"	Perry's Pink.....	5.50	1000	"	aurea.....	4.50
500	"	Perry's Favorite.....	7.50	500	"	coerulea.....	3.50
200	"	Polyphyllus.....	4.50	1250	"	Subcordata grandifl.....	7.50
200	"	Mad. Sayneuse.....	4.50	500	"	Gaillardia grand.....	3.50
225	"	Miss Wilnot.....	4.50	300	"	Galium Molluge.....	3.50
200	"	Regina.....	4.50	250	"	Geum Heldreichii splds.....	4.50
500	"	St. Egwin.....	10.00	500	"	Gallia officinalis.....	4.50
1000	"	".....	6.50	400	"	Geranium Sanguineum.....	4.50
350	"	Semiplenus.....	4.50	1500	"	Golden Glow.....	2.50
200	"	Snowflake.....	5.50	500	"	Globularia Trichosantha.....	4.50
350	"	Top Sawyer.....	4.50	750	"	Gypsophila acutifolia.....	4.50
500	"	Alpinus.....	4.50	650	"	monstrosa repens.....	4.50
500	"	" superbus.....	5.50	1500	"	paniculata.....	4.50
1000	750	" sub. coerul.....	4.50	500	"	Grass Arrhenatherum.....	5.50
750	"	Goliath.....	5.50	1000	"	Phalaris variegat.....	2.50
300	"	Astilbe Davidi.....	7.50	1000	"	Helenium Aut. rubrum.....	6.50
250	"	grandis.....	7.50	2000	"	Aut. superbum.....	3.50
350	"	Auricula Alpina.....	6.50	1500	"	Heliopsis Fitchiana.....	3.50
3000	"	Baptisia Australis.....	2.50	400	"	Semi-plena.....	4.50
500	"	Bellis Perennis.....	3.50	300	"	Scaber major.....	3.50
500	"	Bocconia cordata.....	5.50	5000	"	Helianthi (new vegetable).....	1.00
1000	"	Boltomia asteroides.....	3.50	1500	"	Helianthus H. S. Moon.....	3.50
300	"	latisquama.....	4.50	500	"	Maximiliani.....	3.50
750	"	" nana.....	5.50	1000	"	Mollis grandiflorus.....	3.50
1000	"	Buddleia Veitchiana.....	10.00	1500	"	Miss Melish.....	3.50
1000	"	" magnifica.....	12.00	450	"	Orygalis.....	4.50
750	"	Buphtbalmum salicifolium.....	3.50	300	"	Soleil d'Or.....	4.50
350	"	Callirhoe involu.....	5.50	500	"	Hesperis Matronalis.....	3.50
200	"	Campanula alliarifolia.....	4.50	600	"	" alba.....	3.50
250	"	Grosecki elegans.....	4.50	3000	"	Hemerocallis Flava.....	4.50
375	"	latifolia macran.....	5.00	5000	"	Fulva.....	3.50
1750	"	Media to color.....	5.00	500	"	Gold Dust.....	4.50
1500	"	Calycanthemum.....	5.50	2000	"	Kwanse fl. pl.....	4.50
500	"	Persicifolia.....	5.50	700	"	Orange Man.....	4.50
500	"	" alba.....	5.50	650	"	Sovereign.....	4.50
500	"	Moerhemi.....	10.00	750	"	Thunbergi.....	5.00
2350	"	Cassia Mariland.....	3.50	500	"	Heuchera sanguinea.....	6.50
350	"	Catananche coerules.....	4.50	500	"	" alba.....	5.50
1550	"	Centaurea Montana, 3 col.....	5.50	500	"	" rosea.....	5.50
400	"	Orientalis.....	4.50	500	"	Brizoides.....	5.50
200	"	Ruthenica.....	5.50	500	"	" Grassillima.....	5.50
500	"	Cephalaria Tartarica.....	3.50	250	"	eristata.....	5.50
1500	"	Cerastium Tomentosum.....	4.50	750	"	Hibiscus Moscheutos C. E.....	4.50
500	"	Chelone Barbatu.....	4.50	300	"	Militaris.....	4.50
300	"	Lyonil.....	5.50	1000	"	".....	4.50



3 in. Pots.	Field Roots.	Name.	Price per 100.
400	"	Hibiscus Gt. Mallows, mixed colors.....	\$6.50
2000	"	Hollyhocks, everblooming.....	4.50
5000	"	" double, 8 colors.....	5.00
3000	"	" single, mixed.....	4.50
150	"	Hop Vines, Golden Leaf.....	6.50
800	"	Hypericum Moserianum.....	7.50
1250	"	Iberis sempervirens.....	6.50
750	"	" Snow Queen.....	7.50
400	"	Gibraltarica.....	6.50
500	"	Incarvillea Del.....	6.50
1400	"	Iris Germanica Adonis.....	3.00
1500	"	" Albino.....	3.00
600	"	" Black Prince.....	3.00
1500	"	" Charlotte Patty.....	3.00
1250	"	" Chameleon.....	3.00
1500	"	" Fairy Queen.....	3.00
1750	"	" Garrick.....	3.00
500	"	" Mrs. H. Darwin.....	5.50
1650	"	" Mme. de Brabant.....	3.00
1700	"	" Pauline.....	3.00
1500	"	" Pal. Dalmatica.....	9.00
1500	"	" Queen of May.....	5.50
1000	"	" Florentine Alba.....	3.00
1500	"	" Mme. Chereau.....	3.50
1250	"	" Lilacena.....	3.50
5000	"	" mixed, all colors.....	1.50
2500	"	" Japanese double and single sorts named.....	6.00
1000	"	" Pumila interregna.....	
		types, to name.....	10.00
5000	"	" Pumila mixed, all col.....	5.00
500	"	" Siberica.....	4.50
200	"	" Alba.....	5.50
500	"	" Snow Queen.....	6.50
750	"	Lavendula Vera.....	5.50
500	"	Lathyrus latifolius.....	3.50
500	"	" Pink Beauty.....	5.50
300	"	" White Pearl.....	7.50
750	"	Liatris Pycnostachya.....	5.50
1000	"	Lilium candidum.....	7.50
500	"	" tigrinum splendens.....	6.50
500	"	" fl. pl.....	6.50
550	"	Linum Perenne.....	4.50
1000	"	Lobelia cardinalis.....	4.50
250	"	" syphillica.....	4.50
1250	"	Lychnis Viscaria splend.....	5.50
350	"	" semperflorens plena.....	6.50
1000	"	Lysimachia Nummularia.....	3.50
750	"	Mint. Spearmint.....	3.50
1200	"	" Peppermint.....	3.50
500	"	" Verdis.....	3.50
1550	"	Mertensia Virginica.....	5.50
500	"	Monarda didyma splen.....	4.50

LAR PERENNIALS

AMERICA

PLANTING AT PRICES 50% LESS THAN WHOLESALE RATES

For more than one season. Void after November 15th. Orders will be filled in rotation and as long as the ground is listed and descriptions see our regular wholesale catalogue, No less than 10 sold at these prices. When less



3 in. Pots.	Field Roots.	Name.	Price per 100.	3 in. Pots.	Field Roots.	Name.	Price per 100.
1000	250	Poppy orientale.....	\$7.50	1000	350	Sedum Maximovicii.....	\$3.50
250	250	" Mary Stadholme.....	9.50	500	350	" spectabilis.....	4.50
250	250	" Prince of Orange.....	9.50	300	500	" atropurpurea.....	5.50
250	250	" Prin. Vict. Louise.....	9.50	300	600	" brilliant.....	7.50
250	250	" Rembrandt.....	9.50	500	500	" spurium coccine.....	3.50
250	250	" Trilby.....	9.50	750	500	" sexangulare.....	3.50
500	250	Pentstemon bar. Tor.....	4.50	750	500	Sempervivum, hardy.....	3.50
250	250	" diffusus.....	4.50	1000	800	Scabiosa Jap.....	5.50
500	250	" digitalis.....	4.50	500	500	" gigantea.....	4.50
1500	250	Physostegia virgin.....	3.50	300	500	Sidalcea candida.....	4.50
1250	250	" virgin alba.....	3.50	500	500	Solidago canadensis.....	2.50
1300	250	" speciosa.....	4.50	250	500	Spiraea palmata.....	5.50
750	250	Physalia Bunyardi.....	5.50	250	500	" elegans.....	5.50
15000	250	Phlox decussata in 15 named varieties, 2 yr. old roots. Ask for list \$30 1000.....	3.50	500	500	" Japonica.....	5.50
5000	1000	Phlox Miss Lingard.....	5.50	500	500	" Mult. com.....	5.50
3000	500	" Subulata Rosea.....	4.50	500	500	" ast. flora.....	5.50
2000	500	" " Lilac.....	4.50	250	500	" Queen Alexandra.....	10.00
500	500	" " White.....	5.00	500	500	Stachys lanata.....	4.50
400	500	" Amoena.....	5.50	250	500	Stokesia cyanea.....	5.50
500	500	" diyar. Canadensis.....	4.50	3000	500	" alba.....	5.50
500	500	" " Laphamii.....	7.50	3000	500	Sweet William, auricula-flowered, double white and double crimson.....	3.50
500	1000	" " Platycodon grand. wh. & b.....	3.50	250	500	Sweet William, Newport Pink (new).....	7.50
1000	250	Polygonatum majus.....	4.50	250	500	Tanacetum (costmary).....	3.50
1000	250	Polygonum Cuspidatum.....	3.50	500	500	Tansy.....	3.50
200	500	Potentilla in 3 sorts.....	5.50	1000	500	Tarragon (Estragon).....	7.50
250	500	" Elatior.....	5.50	500	500	Thalictrum Aquilegifolium.....	6.50
300	500	" officinalis Hybrid.....	5.50	400	350	" Adiantifolium.....	6.50
500	500	" Veris superba.....	9.00	500	250	Thymus lanuginosus.....	4.50
500	500	" Vulgaris.....	6.50	500	250	" citroid-aureus.....	4.50
450	500	Prunella Webbiana.....	3.50	500	500	" English thyme.....	3.50
200	750	Pyrethrum roseum.....	6.50	500	500	Tradescantia virginica.....	3.50
500	500	" Uliginosum.....	4.50	1500	500	Trillium grandifl.....	3.50
450	500	Ranunculus rep. fl. pl.....	3.50	2500	500	Tritoma Express.....	6.50
300	500	" speciosa fl. pl.....	6.50	1000	500	" Pfitzeri.....	6.50
750	500	Rosemary.....	5.50	500	500	" Tuckeri.....	6.50
150	500	Romneya Coulteri.....	25.00	250	500	Tunica saxifraga.....	4.50
1250	500	Rudbeckia Newmanii.....	3.50	250	500	Valeriana coc. & alba.....	4.50
250	500	" Nitida.....	4.50	250	500	" officinalis.....	4.50
1400	500	" Purpurea.....	4.50	700	500	Veronica gent. fol. var.....	4.50
500	500	" Subtomentosa.....	3.50	500	500	" Amethystina.....	4.50
1000	500	" Golden Glow.....	2.50	1000	500	" Spicata.....	4.50
300	500	Salvia agatea.....	4.50	1500	500	" long, subsessilis.....	5.50
2500	500	" azurea grandifl.....	3.50	350	500	" prostrata.....	4.00
500	500	Sage Holt's mamm.....	3.50	3500	500	" Virginica.....	4.50
350	500	Santolina incana.....	5.50	500	500	Vinea Minor.....	3.50
200	500	Saponaria ocy. splen.....	4.50	500	500	Viola, double English.....	5.50
1450	500	Sedum acre.....	3.50	1000	500	" De Brunant, (double pink).....	7.50
300	500	" maximum album.....	3.50	1000	1500	" cornuta, color sep.....	4.50
				600	1500	" G. Wernig.....	7.50
						Wallflowers, English double and single, 2 yr.....	5.50

SHRUBS, TREES and VINES

Name.	Height.	10	100	Name.	Height.	10	100
Abelia Chinensis Grandiflora (Rupestris)...	1-1½ ft.	\$2.50		Spiraea Billardi.....	3-4 ft.	1.20	10.00
Buddleia Veitchii, strong field grown, 2-yr.-old.	2-3 ft.	1.10	10.00	Spiraea Douglasii.....	3-4 ft.	1.20	10.00
Buddleia Magnifica, strong	2-3 ft.	1.25	12.00	Spiraea Van Houtei, fine bushy plants.....	2-3 ft.	.85	7.50
Cydonia Japonica, strong clumps with branches cut back for shipment.....	2-3 ft.	1.10	10.00	Symphoricarpos Vulgaris, strong	3-4 ft.	1.10	10.00
Deutzia Crenata, fl. pl.....	2-3 ft.	.85	7.50	Virburnum Opulus Nana, bushy.....	12-18 in.	1.10	10.00
Bushy.....	3-4 ft.	1.10	10.00	Weigelia in 8 named sorts:			
Specimens XXX.....	4-6 ft.	2.50		Strong bushy plants, with good roots, 2-3 ft.	1.00	8.50	
Deutzia Pride of Rochester, bushy stock.....	2-3 ft.	.85	7.50	Strong bushy plants, with good roots, 3-4 ft.	1.20	10.00	
Very bushy and fine.....	3-4 ft.	1.10	10.00	Heavy.....	4-6 ft.	2.00	
Bushy, clean stock.....	4-6 ft.	2.50		Large specimen trees, cut back, 6 ft. and over	3.00		
Deutzia Vilmosiana, new variety.....	1-1½-2 ft.	35c.	each	Weigelia Eva Rathke, bushy.....	2-3 ft.	1.10	10.00
Hydrangea Arborescens Grandiflora, strong.....	2-3 ft.	1.50	12.00	Bushy.....	3-4 ft.	1.50	12.00
Hypericum Moserianum, strong 2-yr. field grown.....	1-2 ft.	1.00	7.50	Poplars, Carolina, 1 in. Cal.....	8-10 ft.	\$1.75	\$15.00
Philadelphus Grandiflora, very bushy.....	2-3 ft.	.85	7.50	12 in. Cal.....	12 ft. and over	3.00	25.00
Very bushy.....	3-4 ft.	1.20	10.00	Salix Babylonica and Thurlovi.....	8-10 ft.	3.00	25.00
Specimens.....	4 ft. and over	2.50		Bignonia Radicans, very strong vines and roots.....		\$0.75	\$6.50
Philadelphus Coronarius, strong bushy stock.....	2½-3 ft.	.85	7.50	Euonymus Radicans and Variegata, strong vines and roots.....		.75	6.50
Strong bushy stock.....	3-4 ft.	1.20	10.00	Honey-suckle Aurea Folia Variegata and Halleana.....		.75	6.50
Selected specimens.....	4-5 ft.	2.50		Ivy, Tree Hardy English, 2-yr. field.....			
Philadelphus Lemoini, strong dwarf bushes.....	2 ft.	1.65	15.00	ROSES.—Climbing and Ramblers in the following varieties, strong 2-yr. field: Dorothy Perkins, Gardinia, Garnet Climber, Newport Fairy, Trier, Veitcheblau, Lady Gay, Wichuriana, Crimson Rambler, Flower of Fairfield.....			
Philadelphus Speciosissimus.....	2-3 ft.	1.20	10.00	8-10 ft. vines.....		\$2.50	\$20.00
Privet, Ikota, strong and bushy.....	2-3 ft.	.85	7.50	6-8 ft. vines.....		2.00	15.00
Privet, Golden, bushy and stocky.....	12-15 in.	1.20	10.00				
Bushy and stocky.....	15-18 in.	1.15	12.00				

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Of Interest to Retail Florists

Reed & Keller, the New York florists' supply dealers are displaying in their show windows, drapery of silvered southern smilax which is an attractive and serviceable decorative novelty. This is not dried or brittle but fresh and pliant, the silver coating being applied to the green material by a secret process which closes the pores in the foliage.

About half the space in the market building which is to replace the old Stern store on West Twenty-third street, New York, is said to have already been taken. The remodeled building is expected to be ready next May. The structure will be known as the Cosmopolitan Garden. The building is to be made over from plans by Starrett & Van Vleck into a four-story building with a fifth story inclosed in glass which will be devoted to plants and flowers.

The improvements on the new Ross flower store at 52nd and Walnut streets, Philadelphia, are now completed and the finished result is certainly very pleasing. A daintier or better appointed flower emporium would be hard to find. The store is wide in frontage, but narrow as to depth, and here the lavish use of mirrors has been very effectively introduced, giving one the impression of unlimited depth. The show refrigerator is all glass and faces the street, the prices being easily readable from outside. A new concrete addition building has been erected in the rear, the entire width, and makes a splendid storage and work room.

THE RETAILERS' BUSINESS CALENDAR.

For October.

24, Saturday—You'll have more customers in your store today than any day this week. Display your best stock attractively so as to make people "want them."

25, Sunday—Why don't you try to get your orders out Saturday? Is it absolutely necessary for the retail florist to work today?

26, Monday—This is said to be "blue Monday," but there's no use in believing everything you hear. Smile, laugh, radiate happiness and you will get your customers to do likewise.

27, Tuesday—Get after your collections and inactive purchasers. Tell them how much you love them and their patronage and their money.

28, Wednesday—Dig up some novel scheme of decoration and get the whole town gaping into your windows.

29, Thursday—Make social calls on a few real live competitors and note the things they do a little better than you do them.

30, Friday—What's the matter with planning ahead for holiday business?

31, Saturday—Use every effort to make this the biggest Saturday in the month. Look through your HORTICULTURE and see what others are doing.

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Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

St. Paul, Minn.—L. L. May & Co.

Stamford, Conn.—"Quality Shop," Stam-
ford Seed & Nursery Co.Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.Toronto, Can.—J. H. Dunlop, 96 Yonge
St.Washington, D. C.—Gude Bros., 1214 F
St.Washington, D. C.—F. H. Kramer, 915
F St., N. W.Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.**NEW FLOWER STORES.**Manchester, Conn.—Bon Ton Flower
Co.Danville, Va.—C. T. Eldridge. Ar-
cade building.Los Angeles, Cal.—R. W. Saake, 810
S. Broadway.Louisville, Ky.—D. Spahn, 2344 W.
Chestnut street.Memphis, Tenn.—Mrs. E. J. Robb,
64 N. Main street.Chicago, Ill.—Morgan Jensen, 3345
West North avenue.Faribault, Minn.—Carl Holmquist,
Ray building, Second street.Philadelphia, Pa.—J. J. Habermehl's
Sons, Ritz-Carlton, about Nov. 15th.Philadelphia, Pa.—Herbert Stein-
metz, Baltimore avenue, near 45th
street.Toledo, O.—"The Sign of the Rose,"
White-June Co., Madison and Ontario
streets.New York City.—Ed. Grunewald,
Madison Ave., between 73rd and 74th
street.

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NEW YORK

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Member Florists' Telegraph Delivery Association

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Two florists doing business in this city were summoned to court this week on a charge of selling flowers on Sunday.

Julius Rusitzky of 129 Pleasant street, florist, and Clara Dorothy Levy of 289 County street, Bedford, Mass., are to be married next week.

The lunch counter in the Boston Flower Exchange started business Thursday morning with a rush. It is operated for the benefit of the members of the market only.

James Deal is a new addition to Wax Brothers' forces. Mr. Deal has had experience in Thorley's, Small's and as manager at the Knickerbocker, is a good plantsman and well liked wherever known.

Hyman Kolow, florist, at 167 Summer street, has increased his store space to twice its former size. Mr. Kolow has been carrying on his business for the last fifteen years in what was perhaps the smallest florist shop in the city.

Despite the general business depression which just now prevails in the city flower market, news of a more cheering nature comes through Hyman Heckel, salesman for H. M. Robinson & Co., who has just returned from a four weeks' trip through New England.

Wm. A. McAlpine, of McAlpine & McDonald, contemplates taking a trip to Virginia about Nov. 1st for the purpose of buying greens for Christmas. The firm has installed a new department of supplies and have put up five million dagger ferns for winter storage.

E. Allan Pierce of Waverley, Wm. A. McAlpine of Boston and L. J. Reuter of Westerly, R. I., took an auto trip last week to Exeter, N. H., where the party inspected McAlpine Bros.' range. Mr. Reuter was very favorably impressed with the excellent condition of the establishment.

Penn the florist, made a very effective window display of flower baskets during the first part of the week. Pink and yellow roses carried out a novel scheme of window decoration. The refrigerator in the store featured roses exclusively, the quality being one of the finest we have seen in any retail store in the city.

It is difficult to understand why so few florists appreciate the value and unlimited benefits of advertising. This sloth on the part of the retailer amply demonstrated itself at the first meeting of the Pilgrim Publicity Association, held Wednesday evening. Several hundred business men were present, but only one florist—Henry Penn. I was not surprised to see him there; in fact, I anticipated his presence. Mr. Penn celebrated his 15th wedding anniversary at Lenox, Mass., last week.

SAN FRANCISCO.

State Gardener Wm. Vortriede, in charge of the State Capitol gardens at Sacramento, has a corps of collectors in various parts of the state collecting native flowers to be planted in the grounds. A large collection of mountain flowers will be planted in a spot formerly occupied by a building, and part of the collection will be distributed among other state institutions.

Angelo J. Rossi, of Pelicano, Rossi & Co., was very busy last week in connection with the Columbus Day celebration at the Exposition grounds, having been appointed by the Mayor to take charge of the affair. Pelicano, Rossi & Co. are making quite a feature at present of some very fine potted chrysanthemum plants from the Hillsborough Nursery in San Mateo county.

A complimentary dahlia exhibition was held Saturday evening, Oct. 10, at Redmen's Hall in this city, under the auspices of the Pacific Coast Horticultural Society. Local growers and florists took considerable interest in the affair, and the large and varied collection of flowers brought out quite a good attendance. Prizes were awarded covering eight classifications of dahlias.

Tourists and commuters have lately been attracted by the work of the Southern Pacific Railroad, which has been parking a strip almost the entire length of its Oakland mole, planting a pleasing variety of flowers and shrubbery. The flowers are now beginning to blossom, and will make a fine showing during the Exposition year on a strip of track which has heretofore been bare and bleak.

Under the leadership of Daniel MacRorie, vice-president of the S. A. F., preliminary arrangements are already under way for the reception of the Convention next year. Committees have already been appointed, and will be announced shortly, to take charge of the various features: an entertainment committee, a dance committee, a Ladies' Day reception committee, a press committee, and an outdoor garden committee. Arrangements have been made for a convention hall in the Auditorium, and for the use of the ballroom of the St. Francis Hotel. Mr. MacRorie is at present at San Diego, attending the convention of the California Association of Nurserymen. Mr. Eberle, of the California Nursery Company, is also at the convention.

Jackson, Mich.—More than 2,000 roses were given away by Henry M. Burt on Nov. 10 as mementos of the opening of the new Burt floral shop. The store is nicely appointed in the remodeled store building at 113 Francis street, opposite the Otsego hotel. Mr. Burt was at home to hundreds and hundreds of friends Saturday, and from almost every visitor words of complimentary praise for the new store were heard.

CHICAGO.

Phil. Schupp is recovering from an attack of pneumonia.

W. E. Tricker, formerly with C. H. Totty, arrived last week to take charge of the greenhouses of Vaughan's Seed Store at Western Springs, Ill.

Jack Byers, well known in the market, where he has been with both wholesale and retail florists, is now to have charge of the floral department of the O. T. Johnson Co., Galesburg, Ill.

The Abest Floral Co., which opened a retail flower store a year ago, at 3345 W. North Ave., has sold out to Morgan Jensen, who was connected with the Chicago parks for several years. Mr. Jensen offers also seeds and nursery stock.

Poehlmann Bros. received a shipment of azaleas this week. The plants arrived in excellent condition many of the buds showing color. The eight "Cap" varieties of pot chrysanthemums are just coming into bloom and so far promise well.

Paul Klingsporn of the Chicago Flower Growers' Association, finds *Milady* rose splendid for late summer and winter use. In size, color and shipping qualities it excels any other of its kind. His growers have no fear for a good supply of lily of the valley pips.

At A. Lange's dahlias have been good sellers this year. The colors are very beautiful and the size seems to play no part in the sales, for all have been popular this season, from the little ones to the giant blooms. A favorite for boutonniere use is of a deep golden color and two inches in diameter. The stock is shipped in from adjoining states.

At Winterson's Seed Store, bulb business is reported fair with the retail end decidedly in the lead. The wholesale orders lag in comparison. There has been a good demand for lawn grass seed during the month. The counter display here shows what bulbs will do for house culture, when placed in their mixture of ground coconut fibre, oyster shell and charcoal, moistened. The roots develop in a remarkably short time.

T. Waters who has never been known to be behind time, has Christmas festoons in place in the Poehlmann Bros.' supply department, of which he is manager. Mr. Waters says florists are ordering early and that the wreaths

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(Member Florists Telegraph Delivery.)

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

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2221-2223 W. Madison St., CHICAGO.

'Phone West 822

of prepared materials which they are making up, sell almost as fast as made. They are very attractive and the color combinations unusually tasteful. A Roman striped corsage ribbon is among the new offerings.

The Chicago friends of Phil. Breitmeyer of Detroit are pleased to learn of the big wedding decorations he captured recently. The one in Detroit, was very elaborate and called for quantities of American Beauties. The room in which the ceremony took place had 1,000 American Beauty roses used, forming aisles and banks. The other decoration was in Lansing, Mich. and both were under the personal charge of Mr. Breitmeyer.

At the Schiller stores, George Asmus says a fair amount of trade is coming each day. It might be noted, however, that the strict attention paid to orders in these stores and the very attractive way in which the stores are always kept, have much to do with bringing the business. Mr. Asmus says that their experience with the Mrs. Russell rose has been very satisfactory this summer and he thinks a good summer rose has come to stay. He classes it with the American Beauty.

Among the death notices in the local papers, Tuesday, was that of Alexander Henderson. This is not the head of the well known seed house of A. Henderson Co., as his friends were glad to learn. A. Miller of this firm states that the late summer is holding back bulb sales as flower beds are still in use. With a severe frost, he predicts a rush will come when everyone will want orders filled at once. A second car load of gigantium lilies has just arrived. All kinds of bulbs are of good size and tulips particularly so.

Mr. and Mrs. E. B. Washburn of Pasadena, Calif., are visiting C. L. Washburn of Hinsdale, Ill. Mr. Washburn's health has improved steadily in the milder climate but his father states that he is not yet sufficiently strong to enter commercial life. The rumor to that effect, was caused by the growing of one small house of plants for O. P. Bassett's personal use. Mr. and Mrs. Washburn will make a short visit in Philadelphia and then leave for California where their children are being cared for by their great grandparents, Mr. and Mrs. O. P. Bassett.

WASHINGTON.

George H. Cooke expects to take possession of his new store early next week.

Robert Bowdler & Sons are erecting a modern display window at their store at Fourteenth and Eye streets, N. W.

President Patterson, of the Maryland Agricultural College, has tendered his resignation to take effect July 1, 1915, in order to enable the authorities to put into operation a commission form of government advocated by him for use in all of the United States land-grant colleges. President Patterson believes that this is the proper manner in which to conduct the affairs of such institutions.

For the Taft wedding at St. John's Church last week the church was very prettily decorated with auratum lilies, cibotium ferns, white cosmos and smilax. The bride's bouquet was of orchids and lily of the valley, that of

the senior Mrs. Taft of violets, and the maids carried huge bronze chrysanthemums. The home of the bride's mother where the wedding breakfast was set was decorated with chrysanthemums, Ward and American Beauty roses and cosmos.

Gude Bros. Company furnished a large floral display which was presented to the department store firm of Goldenberg's by their employees on the occasion of the formal opening of their new building. This consisted of a large quantity of white and yellow chrysanthemums with a central standard of American Beauty roses and yellow chrysanthemums. On the two sides of the table were baskets of white chrysanthemums, pink dahlias and Mock roses and at the front and back were large rustic baskets of white chrysanthemums and quantities of oak leaves and branches. Specimen ferns and small palms and quantities of asparagus completed this decoration. In front of the main entrance was a huge bank of ferns and 500 dahlias. During the first three days the dahlias were changed daily. This decoration was supplied by Robert Bowdler & Sons who also furnished palms, ferns and other potted plants which were arranged on stands and on top of the rows of merchandise racks. Here and there about the store were bouquets and baskets of flowers sent by friends of this and other cities through the local florists.

PHILADELPHIA.

George Burton, the newly appointed president of the Philadelphia Florists' Club, has started off with his year's work in good shape. Here is a list of the new committees appointed, according to his prerogative:

Club Room.—Arthur Niessen, John C. Gracey, John Kuhn, A. T. Moore, Chas. E. Meehan, George Craig.

Games.—H. S. Betz, Wm. Graham, F. Adelberger, F. J. Michell, Jr., E. H. Geschick.

Novelties.—Robert Kift, E. A. Harvey, Geo. Campbell, Victor Grosbans, Alfred Burton.

Essay.—Chas. H. Fox, A. Farenwald, A. E. Wohler.

Membership.—H. E. Michell, James W. Heacock, M. C. Wright.

Exhibits.—F. Hahman, John Dodds, J. W. Prince, Duncan Macaw.

It is now up to these gentlemen to show us what they can do in their respective fields to uphold the glorious records of the past and if possible to surpass them.

Pennock Bros.' great window on Chestnut street, made famous by the artistic displays of the floral art at all times and seasons, from far and near, was especially dis-

BE SURE that you get the MEYER GREEN SILKALINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKALINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKALINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.
In writing advertisers kindly mention HORTICULTURE.

tinctive this week by having a beautiful exhibit of the new "Fordhook Hybrid" gladioli. These are remarkable not only for their great size and lovely colors but also the fact that they were raised from seeds sown last May. They are creating quite a sensation. More about them later.

E. J. Fancourt, of the S. S. Pennock-Meehan Co., has just returned from a trip north and west as far as Kansas City. He reports larger business than last year notwithstanding a generally pessimistic tone in the trade. This means one of two things: Either Mr. Fancourt is a wonder or trade is not so bad as so many say it is. Take your choice. Maybe the real truth lies in between the two propositions.

NEWS NOTES.

Topeka, Kan.—Kline & Lamont have leased J. M. Kessler's greenhouses.

Philadelphia, Pa.—August Albert has rented the greenhouses of Chas. Disel, 59th and Gibson avenue.

New York, N. Y.—George Cotsonas has leased the two-story building at 118 W. 28th street and will remodel it for his wholesale florist business.

Milwaukee, Wis.—James Curran, Mt. Clemens, Mich., has leased the greenhouse range of Currie Bros. Co. and will grow pot plants for the wholesale trade.

Milburn, N. J.—George W. Brand of East Orange has purchased the greenhouses of Jacob Fischel on Taylor street and will conduct a wholesale and retail florist business.

Rahway, N. J.—Wm. Saling was surprised last Friday by the appearance of a big buck deer in the vicinity of his greenhouses. The rare visitor disappeared in the neighboring woods.

KOMADA BROS.

Manufacturers of all Kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

THE Florists' Supply House of America

H. BAYERSDORFER & CO.

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When you want the best
BEAUTIES

Try us. \$1.00—\$3.00 per dozen. On a quantity we give you a better price.

THE LEO NIESSEN CO.

N. W. Cor. 12th and Race Sts.

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Block Letters, \$2.00 per 100.

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Order direct or buy from your local supply dealer. Insist on having the

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Inscriptions, Emblems, etc. Always in Stock.



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"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

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POEHLMANN BROS. CO.

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If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI (Oct. 12)		CHICAGO (Oct. 19)		BUFFALO (Oct. 19)		PITTSBURG (Oct. 21)	
Roses								
Am. Beauty, Special.....	20.00	to 30.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00	8.00	to 10.00	8.00	to 12.50
Killarney, Richmond, Extra.....	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" " Ordinary.....	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" " Ordinary.....	2.00	to 3.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Maryland, Shawyer, Taft, Extra.....	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" " Ordinary.....	2.00	to 3.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Russell, Hatley, Ophelia.....	.....	to	6.00	to 15.00	5.00	to 7.00	.....	to
Carnations, Fancy.....	.....	to 2.00	1.50	to 2.50	2.00	to 2.50	2.00	to 3.00
Ordinary.....	.....	to 1.50	1.00	to 1.50	1.00	to 1.50	.75	to 1.00
Cattleyas.....	15.00	to 50.00	40.00	to 60.00	.....	to	85.00	to 65.00
Lilies, Longiflorum.....	8.00	to 10.00	6.00	to 12.00	7.00	to 10.00	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	.....	to	3.00	to 5.00
Violets.....	.....	to .50	.40	to .50	.40	to .60	.25	to .50
Corn Flower.....	.....	to .....	.....	to .....	.20	to .50	.....	to
Chrysanthemums.....	12.00	to 18.00	10.00	to 25.00	5.00	to 20.00	6.00	to 25.00
Dahlias.....	1.00	to 2.00	.....	to .....	.....	to	1.00	to 5.00
Sweet Peas.....	.....	to .....	.....	to .....	.50	to .75	.....	to
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.75	to 1.25
Smilax.....	.....	to 12.50	8.00	to 12.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, Strings (100).....	20.00	to 25.00	40.00	to 50.00	40.00	to 60.00	30.00	to 50.00
" " & Spreng. (100 bchs.).....	20.00	to 25.00	25.00	to 35.00	35.00	to 35.00	30.00	to 50.00

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Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

Flower Market Reports

The story of flower market conditions in BOSTON this week may be told in a very few words. There is no flower obtainable at this season of the year in the wholesale marts, that is not stagnated in superfluous accumulation for which a market is simply out of the question. What sales are made are from the high-grade stock and at the prices of the refuse, the latter being absolutely unsalable. The quality generally, in all sorts of flowers is very fine. Even dahlias, which were supposed to be finished up for this year, are coming in under the rejuvenating rains and merry sunlight, in quality better than heretofore and they have the unusual experience of facing the chrysanthemum hosts, already in the trenches and with loaded guns. Carnations are side-tracked as effectively as anything else and, although of excellent quality, they are not wanted. So much for glorious weather and other glorious things too numerous to mention.

Trade conditions have BUFFALO changed but little. Too much of the outdoor material, dahlias, gladioli, asters, mignonne marigolds, cosmos and other truck filling a good portion of the wholesalers' counter space. With chrysanthemums coming on heavier each day and the increase in supply of carnations, roses, lilies, lily of the valley, violets and other stock the market is badly weighted, although the dealers are making excellent show and window decorations and encouraging the buyers to their utmost. Bargain sales on Saturday did not help much as the threatening weather had a tendency to hold off the buyer of cemetery flowers.

The market still remains inactive. Week after week has found practically the same condition and now on the 20th of October, flower beds are as bright as ever and not a vine has been touched by frost. Social events are becoming more important and the opening of clubs and a few weddings have called for more or less flowers but the volume of fall business has not begun. The principal change in the market is the finishing up of the big crop of roses that has been coming in for many weeks. About Thursday the 15th it began to be noticeable and by Saturday the change was apparent to all. It has made no material difference as yet, for the demand is so light. Chrysanthemums are coming in large numbers, a great many of them being below grade. The great number of chrysanthemums, according to one of the largest growers, is making no difference this year in the sale of American beauties. Lily of the valley is no longer scarce and special prices are often made to move it. Violets are very slow sale. Orchids sell spasmodically and either sell at a fair price or go unsold. All kinds of green can be had in quantity and no great amount can be sold. Shipping trade is fair.



FOR HALLOWE'EN WE OFFER QUEEN OF AUTUMN LARGE CHRYSANTHEMUMS MEDIUM CHRYSANTHEMUMS SMALL CHRYSANTHEMUMS

Any Quantity Any Grade Any Variety
Medium, \$5.00, \$6.00, \$8.00 and \$10.00 per 100. Choice, \$12.50, \$15.00, \$20.00 per 100.
VALLEY—Special, \$4.00 per 100; Extra, \$3.00 per 100.
CATTLEYAS—Special, \$6.00 per doz., \$10.00 per 100; Extra, \$5.00 per doz., \$30.00 per 100; First, \$4.00 per doz., \$25.00 per 100.
GARDENIAS—Special, \$3.00 per doz.; Fancy, \$2.00 per doz.

Send for our plant price list.
EVERYTHING IN RIBBONS AND FLORISTS' SUPPLIES.
Send for our catalogue.

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1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Oct. 22		ST. LOUIS Oct. 19		PHILA. Oct. 19	
Roses						
Am. Beauty, Special	10.00	to 12.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	5.00	to 8.00	10.00	to 15.00	8.00	to 12.50
" " No. 1	1.00	to 3.00	5.00	to 8.00	3.00	to 6.00
Killarney, Richmond, Extra	3.00	to 4.00	4.00	to 6.00	4.00	to 6.00
" Ordinary	.50	to 2.00	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 4.00	4.00	to 6.00	4.00	to 8.00
" Ordinary	.50	to 2.00	2.00	to 3.00	1.00	to 3.00
Maryland, Shawyer, Taft, Extra	4.00	to 6.00	4.00	to 5.00	4.00	to 8.00
" Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 3.00
Russell, Hadley, Ophelia	1.00	to 8.00	4.00	to 5.00	2.00	to 12.00
Carnations						
" Fancy	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00
" Ordinary	.50	to 1.00	1.00	to 1.50	1.00	to 1.50
Cattleyas	30.00	to 40.00	40.00	to 50.00	20.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets	.25	to .50	.20	to .25	.25	to .50
Corn Flower	.25	to .50		to .30		to .40
Chrysanthemums	2.00	to 8.00	10.00	to 20.00	2.00	to 20.00
Dahlias			1.00	to 4.00	1.00	to 3.00
Sweet Peas	.40	to .60	.50	to .75		to 25.00
Gardenias	20.00	to 25.00		to 12.00		to 1.00
Adiantum	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	4.00	to 10.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings	25.00	to 50.00	35.00	to 50.00		to 50.00
" " & Spreng. (too Bchs.)	15.00	to 35.00	15.00	to 25.00	35.00	to 50.00

In our many years' familiarity with the NEW YORK New York wholesale flower district we have never known such a redundancy of fine flowers as is in evidence on all sides this week. Ice boxes, tables and floors are heaped high with roses, lilies, carnations, dahlias, violets and chrysanthemums of high degree, the larger part of which it is impossible to dispose of at any quotable figure. \$5.00 a thousand is gladly accepted for roses in quantity and even at that, the buyers are very capricious about quality. One wholesaler estimated the stock of speciosum rubrum lilies on his hands one day this week, at 25,000. Other stock is in proportion, so some idea is readily conveyed of the enormous quantity of material on hand just as the chrysanthemums are beginning to assert themselves, and what it means for the next few weeks especially if the lovely weather should continue. The country is too beautiful and auto riding too much of a pleasure for people to have any interest in store flowers. People of means are buying nothing and if it were not for the speculative element, distributing flowers at cheap prices through popular channels, the situation would be hopeless.

Trade reports are PHILADELPHIA not so optimistic this time; rather "on the blink." The weather has been so fine—all kinds of outdoor stock in immense supply. This has had a marked effect on the demand for choicer and more expensive materials. What the growers are praying for now is a hard black frost, which would finish the dahlias and other disturbing factors. Then the roses and chrysanthemums and other fine things would have a show. The commission man has had to do an awful lot of work for nothing. As a rule he did a dollar's worth in labor and overhead expenses for every ten cents he got back. And yet the growers find fault; and the retailers grumble and the "seceders" fuss. The latter's latest idea is to standardize prices—never offer your customer a bargain; have a standard price; don't cheapen your goods. We have not heard any of these men remark that they would refuse to accept a bargain themselves if offered to them. Of course, that's very different.

(Continued on page 2)

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Choice Cut Flowers,
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct 17 1914		First Half of Week beginning Oct. 19 1914	
American Beauty, Special	10.00	to 12.00	10.00	to 12.00
" " Fancy and Extra	6.00	to 8.00	5.00	to 8.00
" " No. 1	2.00	to 5.00	2.00	to 4.00
Killarney, Richmond, Extra	1.00	to 4.00	1.00	to 4.00
" " Ordinary	.50	to 1.00	.50	to 1.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 4.00	1.00	to 4.00
" " Ordinary	.50	to 1.00	.50	to 1.00
Maryland, Sawyer, Taft, Extra	1.00	to 4.00	1.00	to 4.00
" " Ordinary	.50	to 1.00	.50	to 1.00
Russell, Hadley, Ophelia	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy Grade	2.00	to 3.00	1.00	to 2.00
" " Ordinary	1.00	to 2.00	.50	to 1.00

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Opens 6 A. M. daily.

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Flower Market Reports

(Continued from page 527)

Stock is plentiful in all **ST. LOUIS** grades except the extra fancy. The rainy weather during the past week has caused the retailers to buy sparingly and stock is piled up in the wholesale markets. Chrysanthemums are coming in heavy and the demand is not any too good for high priced stock. Roses, carnations and other seasonable stock are suffering in consequence. There is still a plenty of outdoor material. The best violets and lily of the valley sell well. Lillies are plentiful and prices are low.

The retail flower **SAN FRANCISCO** business is showing a little improvement each week. There are indications that the close of the month will bring much greater all-round activity and a few good orders have already been placed for social affairs. The wholesale shipping business is picking up fairly well. Chrysanthemums still overshadow everything else, being very plentiful and in large variety, fully up to expectations as to quality, and finding a very large demand. Aside from the local trade, large shipments are being made to all parts of the state, and a good many east of the mountains. Bonnaillon remains among the leading varieties, Hunter, Maud Jeffries and Portola also being abundant. There has been just enough rain to put the violet gardens south of San Francisco in fine shape, and the flowers are plentiful and of very good quality. A good many are being shipped to points throughout the middle west, where the demand seems to be picking up. There are roses enough for local needs, but no oversupply, and few are being shipped. The quality, on the whole, is just fair, with nothing new for the week as to variety. Carnations are becoming more plentiful, and include some very nice offerings. Orchids are coming in freely and in good variety. As for lilies, some giganteum are appearing, but there is no great amount of new stock coming in. Offerings of lily of the valley are decreasing, and this flower has stiffened up considerably as to price, as the trade is holding them back for the holidays.

A marked change **WASHINGTON** in the temperature served to shorten up on an overstocked market and to bring sales more nearly to normal. It has not been expected that this year the dahlia crop would be so heavy, as earlier in the season there were more blind eyes than flowers and the stems were so brittle as to make the stock almost worthless. This changed in due time and the supply became heavier than ever. Roses could be had at almost the buyer's own price but in this respect conditions have

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Bronze and Green Galax, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c, or by the yard.
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Line Boxwood, \$7.50 per 50-lb. case.

Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 17 1914	First Half of Week beginning Oct. 19 1914
Cattleyas.....	15.00 to 25.00	10.00 to 25.00
Lilies, Longiflorum.....	4.00 to 6.00	3.00 to 4.00
Rubrum.....	1.00 to 2.00	1.00 to 1.50
Lily of the Valley.....	2.00 to 3.00	2.00 to 3.00
Violets.....	.15 to .25	.15 to .25
Corn Flower.....	..... to .....	..... to
Chrysanthemums.....	6.00 to 25.00	4.00 to 25.00
Dahlias.....	.50 to 1.00	.50 to 1.00
Sweet Peas (per 100 bunches).....	..... to .....	..... to
Gardenias.....	5.00 to 10.00	5.00 to 16.00
Adiantum.....	.50 to .75	.50 to .75
Smilax.....	8.00 to 10.00	8.00 to 10.00
Asparagus Plumosus, strings (per 100).....	25.00 to 35.00	25.00 to 35.00
& Spreng (100 bunches).....	15.00 to 25.00	15.00 to 25.00

changed and there is a little better demand. Carnations are daily improving in quality and a good crop is in promise. Orchids have stiffened slightly in price and there is a limited demand and similar supply of violets. Palms and ferns are meeting with ready sales in most of the stores and a good business in these has been reported.

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St. Paul, Minn.: A. Clausen, Albert Lea, Minn.; E. F. Kuroski, pres. John C. Monniger Co., Chicago, Ill.

Lancaster, Pa.—D. T. Connor, representing Lord & Burnham Co., Phila., Pa.; George Marshall, representing McCallum Co., Pittsburgh, Pa.

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St. Louis—Julius Dillhoff, representing Schloss Bros., New York; C. Ford, S. Seligman, M. Adler and M. Le Vine, representing New York houses; Guy Reyburn, representing A. Henderson & Co., Chicago.

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For page see List of Advertisers.

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Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BAY TREES

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BERBERIS THUNBERGII

Old Town Nurseries, M. P. Haendler, Prop.,
So. Natick, Mass.
For page see List of Advertisers.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

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Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

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For page see List of Advertisers.

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R. & J. Farquhar & Co., Boston, Mass.
Surplus Offer.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

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Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Fall Bulbs.
For page see List of Advertisers.

Henry F. Michell, Philadelphia, Pa.
Bulb Headquarters.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

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For page see List of Advertisers.

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Bulbs of all descriptions. Write for prices.
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For page see List of Advertisers.

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Send for Canna book
THE CONARD & JONES COMPANY,
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New Carnation Alice.

For page see List of Advertisers.

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For page see List of Advertisers.

Field grown Carnation plants, fine, good
plants: Enchantress, White Enchantress
and Gordon, \$4.00 per 100; Vinca variegated,
strong field grown, \$4.00 and \$5.00 per 100.
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Split carnations quickly, easily and
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For page see List of Advertisers.

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Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

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20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

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A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

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Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Dahlias—2500 field clumps, latest varie-
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Expert, North Dighton, Mass.

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John Wanamaker, Newest Handsome-
est, Best. New color, new form and new habit
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are the best on the market; 800,000 Clumps
to offer, at rock bottom prices, in full field
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For page see List of Advertisers.

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Henry A. Dreer, Philadelphia, Pa.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

DRACAENAS

DRACAENAS 4-in. pots, \$6.00; 5-in.,
\$7.50 per 100. Umbrella Palms, \$1.00 per
doz. up. Geraniums in variety. Randall's
Greenhouses, 25 Baker St., Foxboro, Mass.

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For page see List of Advertisers.

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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
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For page see List of Advertisers.

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Fine Ferns for Immediate Retail Sale.

For List of Advertisers See Page 575

FERNS—Continued

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechlein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

10th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

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Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

B. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Weich Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Pelree, Waltham, Mass.
Pelree Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2 1/2 in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

MRS. FRANK PENDLETON

I am headquarters for pure stock of this
grand pink gladiolus. Write for quotations
on all sizes. Also planting stock of
Chicago White, Glory, Meadowvale, Snow-
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For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
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Smith & Hemenway Co., New York City.
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For page see List of Advertisers.

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Alexander Klokner, Wauwatosa, Wis.
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For page see List of Advertisers.

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Peerless Glazing Point.
For page see List of Advertisers.

Wm. Elliott & Sons, New York City.

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Gold fish, aquarium plants, snails, cas-
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For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

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King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

Pierson T-Bar Co., New York City

Hitchings & Co., New York City

A. T. Stearns Lumber Co., Boston, Mass.
Lord & Burnham Co., New York City.

For page see List of Advertisers.

William H. Lutton Co., Jersey City, N. J.

Daniel Iliffe, South Weymouth, Mass.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.

For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.

Fancy and Dagger Ferns.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDY PERENNIALS

Strong, Healthy, Field Grown Seedlings
of the following at \$2.00 per 100: H. A.
hock, separate colors; Foxglove; Canter-
bury Bell; Gaillardia; Coreopsis; Ger-
anium; Pyrethrum; Columbine; Hibiscus;
Anehuus; Hardy Pinks; Sweet Rocket. All
fine plants. Sweet William, \$1.50 per 100.
CLARK, Florist, 124 Washington Ave.,
Scranton, Pa.

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

HARDY PERENNIALS—Continued

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

Daniel Iliffe, South Weymouth, Mass.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co.,
Chicago, Ill.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.

HOT HOUSE GRAPES

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.

For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.

For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.

For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."

For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray

For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.

For page see List of Advertisers.

IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Yokohama Nursery Co., Ltd.,
New York City.

Lilium Formosum.

For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Lilium Formosum and Giganteum.

For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.

For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.

For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City
Meyer's T. Brand Giganteum.

For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY

LILY OF THE VALLEY PIPS—\$8.00 per 1,000; Field Clumps, \$80.00 per 1,000.
HENRY SCHAUMBURG, Hammon, N. J.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphne Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Isaac Hicks & Son, Westbury, L. I., N. Y.
Bargains in Shade Trees and Evergreens.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

ONION SEED

Federico C. Varela, Teneriffe, Canary Islands.
Bermuda Onion Seed.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

PANSY PLANTS

Pansy Plants—Choice mixed strain, \$2.50 per 1000; also separate colors and named varieties, same price. CLARK, Florist, 124 Washington Ave., Scranton, Pa.

Pansies—Mixed, strong plants, \$3.00 per 1,000 or 50c. per 100, by mail. CHAS. FROST, Kenilworth, N. J.

Pansies—Excellent stock, brilliant colors, seedlings with good roots, \$2.00 per 1000; 35c. per 100. Cash. PETER HERB & SONS, Mt. Healthy, O.

Pansy Plants—Goodell's Colossal are the largest of all pansies. Flowers 3 inches and upwards across on long strong stems. Extra fine for forcing. Fifteen splendid colors mixed, including the finest of all white and yellow varieties. Good stock seedbed plants from August sown seed. 1000, \$10.00; 500, \$5.00; 250, \$3.00; 100, \$1.50. Cash with order. L. W. GOODELL, Pansy Park, Dwight, Mass.

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50 varieties of Pelargoniums, all under name. Send for descriptive circular and price list. JOHN S. LEACH, Hartford City, Indiana.

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Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

25 acres devoted to the growing of Peonies; let me figure on your list of wants. GILBERT H. WILD, Sarcosia, Mo.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company, N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PRIMULAS

Chinese Primroses. Strong and fine, ready for 4-in. pots, in best mixed colors; \$3.50 per 100. JOHN F. RUPP, Shiremans-town, Pa.

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P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

ROSES—Continued

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries, Enfield, Eng.
For page see List of Advertisers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association, San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Mitchell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Lochner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

Peas, \$4.00 to \$5.00 per bushel, No. 1 quality. Leading garden varieties. P. J. WILKINSON, Brookside Farm, Cambray, Ontario, Canada.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. **LAGER & HURRELL**, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

SWEET PEA SEED

Arthur T. Boddington, New York City.
Christmas-Flowering Sweet Peas.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VEGETABLE PLANTS**RHUBARB**

VICTORIA—Large clumps suitable for forcing, doz., \$2.50; 100, \$12. **BRECK-ROBINSON NURSERY CO.**, Lexington, Mass.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. **HOLTON & HUNKEL CO.**, Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Foehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued**Montreal**

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Markatos, 37 and 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**BARGAINS IN LORRAINE BEGONIAS.**

W. W. Edgar Co., Waverly, Mass.
For page see List of Advertisers.

BEDFORD QUALITY NURSERY STOCK, BULBS, ETC.

New England Nursery Co., Bedford, Mass.
For page see List of Advertisers.

CHRYSANTHEMUMS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

HICKS' SPECIAL TREES AND SHRUBS.

Isaac Hicks & Son, Westbury, L. I., N. Y.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.

McHutchison & Co., New York City.
For page see List of Advertisers.

MOVE YOUR PLANTS.

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

PALISADES POPULAR PERENNIALS, SHRUBS, TREES AND VINES.

Palisades Nurseries, Inc., Sparkill, N. Y.
For page see List of Advertisers.

NEW OFFERS—Continued**PLANT AUCTION SALES.**

Elliott Auction Co., New York City.
For page see List of Advertisers.

QUALITY FRENCH BULBS.

Arthur T. Boddington, New York City.
For page see List of Advertisers.

SCALECIDE.

B. G. Pratt Co., New York City.
For page see List of Advertisers.

SEEDS.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.**SITUATIONS WANTED****POSITION WANTED**

As I am free to accept a position, I would like to hear from parties in need of a man who will deliver the goods. Besides rose growing, I am well versed in other branches of gardening and floriculture, inside and out. Either private or commercial.

ARTHUR C. RUZICKA,

care **HORTICULTURE**, 11 Hamilton Place, Boston, Mass.

SITUATION WANTED—For Spring engagement, as superintendent or head gardener; expert on landscape, rock gardens, herbaceous, orchids, fruits, flowers, vegetables, sequence of crops under glass and in open, lawns, rose gardens, tree planting, drainage, pond making, dwelling, management of men; late with leading firm of garden architects in England. Good address; exceptional references. Please reply, stating terms, to **MESSRS. DUPUY & FERGUSON**, Seedsmen, Montreal, Canada.

SITUATION WANTED—As foreman for landscape architect or contractor. Capable of handling men and teams, also competent to superintend planting and laying out of roads. Address **JOSEPH WIDLY**, 46 Hudson Ave., Red Bank, N. J.

WANTED—Head Gardener's or Superintendent's position. Northern and Southern experience in all branches; best of references. **W. D. NICKERSON**, 116 Putman St., Quincy, Mass.

FOR SALE**BOILER FOR SALE**

No. 14 Coatsville Heating Boiler; cast iron base, steel plate fire box. Capacity 4,000 sq. ft. direct steam radiation; 6,000 sq. ft. hot water. Been used but little; removed to place a larger size. Requires no brick work; can be placed in position and connected up as simply as a kitchen range. Length, 12 ft.; width, 38 inches; height, 63 inches. 41, 3-in. direct tubes; 21, 3-in. return tubes. Address "C. W.," care **HORTICULTURE**.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M.," care **HORTICULTURE**.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

FOR EXCHANGE

WILL EXCHANGE—Holland Bulbs and Trees for Evergreens, Perennials, foliage plants. **L. J. SMITH**, Merchantville, N. J.

FOR SALE—Two large Century Plants. Price reasonable. **H. B. EICHORN**, 71 Brighton Ave., Allston, Mass.

In writing to Advertisers kindly mention Horticulture

Don't Neglect
Fall Spraying

"SCALECIDE"

Modern Methods
Demand It

TRADE MARK REG. U. S. PAT. OFF.

It pays to get in fall spraying whenever possible. There is danger in waiting for spring spraying. "Scalecide" is better than any other dormant spray, either for insects or fungi.

Costs no more than lime-sulphur or the less effective mixtures. Our booklet "Scalecide, The Tree Saver" mailed free. B. G. Pratt Co., Dept. "12", 50 Church St., N. Y. City.

THE USE OF COMMERCIAL FERTILIZERS IN GROWING CARNATIONS AND ROSES.

By the University of Illinois.

The University of Illinois has recently published the report of experimental investigations on the use of commercial fertilizers in growing carnations and roses. This material has brought together by the Floricultural Division of the Department of Horticulture, and embraces the research work in Floriculture which has been in progress at the experimental station during the past six years. Since the reports are voluminous, they will probably not be ready for distribution before the first of next October. In the meantime, the Department of Horticulture is giving to the press, for the immediate information of the growers, some of the conclusions which have been reached as a result of this experimental work.

It has been shown that without doubt that excellent carnations can be produced in as large quantity by the use of commercial fertilizers as with farmyard manure. The quality of the flowers, as measured by their size, length of stem, strength of stem, and keeping quality, is not changed by the use of commercial fertilizers. The splitting of carnations cannot be directly traced to the application of commercial fertilizers in moderate amounts. The results show that commercial fertilizers may be successfully used for the production of carnations; whether it is desirable to use them, depends in large part on the cost of manure and of labor. A careful florist will calculate the relative cost of manure and commercial fertilizer by figuring the plant food content of manure (averaging 10 pounds nitrogen, two to three pounds phosphorus, and eight pounds potassium per ton) at the market price of these elements in commercial fertilizers. These are (1) for nitrogen purchased in dried blood (13 per cent. nitrogen) or ammonium sulphate (20 per cent. nitrogen), about 18 cents per pound; (2) for phosphorus in acid phosphate (6¼ per cent. phosphorus), 12 cents per pound; and (3) for potassium in sulphate of potash (40 per cent. potassium), about 6 cents per pound. At this rate, a ton of manure supplies plant food costing as commercial fertilizer about \$2.50. In the case of prepared manures, which contain less water than barnyard manure, the value in terms of commercial fertilizers can be calculated from the guaranteed analysis which should be required of the dealer. The method outlined for the use of commercial fertilizers involves a preliminary preparation of the soil followed by three applications of fertilizer throughout the year. Comparison of the labor involved in these operations with that in the weekly application of liquid manure will show a saving of labor where commercial fertilizers are used.

No attempt has been made to grow carnations without the addition of manure to the soil, because it was believed that some additional humus would be necessary. Whether or not this is true has not been proved; but the amounts recommended below are based upon a small addition of well rotted manure.

From the past experiments it seems certain that dried blood or sulphate of ammonia (supplying nitrogen to the plant) is the commercial fertilizer most needed by the carnation. Some indications, which are being tested during this year, have been found that acid phosphate, applied with one of the above, results in still further increased production. No benefit has been obtained up to the present time from the use of sulphate of potash. Before these conclusions were reached, the mixture of manure, dried blood, acid phosphate, and sulphate of potash given below was tried and found to produce excellent flowers in as large quantity as by culture with natural manure. The amounts are as follows:

Fertilizer	Quantity per cu. yd. soil	Quantity per 100 sq. ft. bench (5 in. deep)
Manure	50 lbs.	125 lbs.
Dried blood (13 per cent. nitrogen)	5 "	8 "
Acid phosphate (7 per cent. phosphorus)	1½ "	2 "
Sulphate of potash (40 per cent. potassium)	1¼ "	2 "

All of the above were mixed with the soil before setting in the plants, with the exception of the dried blood, which was applied in four installments,—two pounds with the others, and two pounds at each of three different periods throughout the year.

No exceptional crops of carnations have been produced by the use of commercial fertilizers. Good crops have been produced, however, by the use of moderate amounts of them. The use of excessive amounts will result in marked lessening of production and injury to the flowers, so that warning must be given not to attempt to produce larger crops by the use of more fertilizer than the trials have shown to be safe. Those commercial fertilizers from which there is greatest danger, when used excessively, are in the order named: (1) sulphate of ammonia, (2) sulphate of potash, and (3) dried blood. Up to the present time no injury has resulted from heavy applications of acid phosphate.

During the experiments an attempt was made to regulate the time of heavy crop production by variation in the time of application of the fertilizers. No change in the time followed, showing that the time of application of the fertilizers does not influence the time of heavy crop production.

A complete report on the rose experiments, which have been in progress

each year was Killarney, the other half, Bride. Of these, one-half the since 1910, is now nearly complete, and may be summarized at this time.

During seven months (November to May inclusive) of 1910-11, and eight months (October to May inclusive) of 1911-12 and 1912-13, 3,840 first year rose plants were grown with varying quantities of commercial fertilizers and record kept on the number of flowers produced and the length of stem of each flower. The amount per 100 square feet of bench space of dried blood was varied in different sections from none to 32 pounds, of acid phosphate from none to eight pounds, and of potassium sulphate from none to eight pounds. In addition, well rotted manure was added to each section at the rate of 115 pounds per 100 square feet of bench space, regardless of the amount of commercial fertilizer applied. One-half the number of roses

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number was own-root stock and one-half grafted. During the three seasons mentioned above, 95,013 roses were produced, an average of about 25 flowers per plant per season, which is to be considered a satisfactory yield for first year plants, a large number of which were injured in the course of the experiment by overfeeding in the attempt to determine the maximum amount of fertilizer that might safely be used. Of these 95,013 flowers, 46,135 were Killarneys and 49,878 Brides, showing a larger production of Brides under the conditions of the experiment. Of the flowers produced by Killarney, 21,297 were produced from own-root stock and 23,838 from grafted, showing a larger production from grafted stock. Of the Brides, similarly, 23,019 were produced from own-root stock and 26,859 from grafted stock. Results indicate, then, that in the order of production the plants rank as follows: grafted Bride, grafted Killarney, own-root Bride, own-root Killarney.

The average length of stem of the own-root Killarneys was 10.6 inches; of grafted Killarneys, 10.5 inches; of own-root Brides, 14.6 inches; and of grafted Brides, 14.9 inches. The quality of the flowers, measured in this manner, is about the same in the Killarneys, whether own-root or grafted, and is somewhat superior in grafted Brides to own-root Brides. The question whether it pays to grow grafted stock may be answered by the figures given above, and the average price for flowers of such quality. With grafted Killarney, for instance, the excess production over own-root stock of 960 plants was 2,541 flowers. The average wholesale price of Killarneys of this quality would range around \$6 per 100; the excess production of these 960 plants would sell for \$152.46 at this price,—twice the difference in cost between own-root and grafted Killarney per thousand. This, of course, is for the first year after planting, alone.

Those sections to which manure alone was applied are compared in the figures given below for the average number of flowers produced per 16 plants with those sections to which eight pounds of dried blood, two pounds of acid phosphate and two pounds of potassium sulphate per 100 square feet, and with sections to which 32 pounds of dried blood with amounts

of acid phosphate and potassium sulphate as named in the sections previous had been applied.

Fertilizer	Killarney own-root	Killarney grafted	Bride own-root	Bride grafted
No commercial fertilizer.....	327.4	389	325	388.5
8 lbs. dried blood	349.7	410.4	391.0	428.8
2 lbs. acid phosphate.....				
2 lbs. potassium sulphate.....				
32 lbs. dried blood.....	391.0	383.6	339.3	405.6
2 lbs. acid phosphate.....				
2 lbs. potassium sulphate.....				

These figures show that 32 pounds of dried blood per 100 square feet is excessive for all the roses excepting Killarney own-root. These plants have a smaller root system than Killarney grafted, and probably this is the reason they produce more flowers with heavy applications of dried blood in contrast to the grafted stock. On the whole, it is inadvisable to apply more than eight pounds of dried blood per 100 square feet. On the other hand, applications of acid phosphate up to eight pounds per 100 square feet (the largest amount used in the experiment) gave increasingly larger numbers of flowers as the application was increased, showing that the roses responded to applications of this fertilizer. No benefit was observed from applications of potassium sulphate, as was the case with carnations also. These results lead to the recommendation of commercial fertilizers in the following amounts for first year roses:

Fertilizer	per 100 sq. ft.
Dried blood	8 lbs.
Acid phosphate	8 "

Experiments are being carried on with still heavier applications of acid phosphate; when they are completed, the advisability of heavy applications of this fertilizer will be determined.

Experiments have been made during the year 1913-14 in regard to the use of sulphate of ammonia in place of dried blood on roses. It is found to be a satisfactory source of plant food, but much more difficult to use successfully, since roses are particularly susceptible to overfeeding with it. No experiments have yet been made with nitrate of soda. Acid phosphate was used during the experiments as a source of phosphorus. It is quite probable that finely ground steamed bone meal could have been used in equal amounts with as good results, although its value was not tested. The dried blood should not be applied in full amount at the time of preparation of the soil, but one-fourth should be mixed with the soil and manure at this time, followed by three further applications as top dressings during the season, at times when the roses are

coming into heavy crop. On no account should application be made during the off season, or the period of little growth, during the dark days of winter. Care should be taken not to scratch the dried blood into the soil deeper than one-half inch, as deeper cultivation will cause the breaking of many small roots, and dropping of the older leaves, as a result of the disturbance of the root system.

The results given in this summary were obtained by applying fertilizer to the type of soil known as the brown silt loam, common throughout the "corn belt." On account of the moderate amount of dried blood recommended, and the small tendency of acid phosphate to produce injury from overfeeding, these amounts are undoubtedly safe for use on any Illinois soil. The fertilizers recommended will supply the elements lacking in most soils also, with the exception of those peaty and sandy soils of northern Illinois which have been shown to be deficient in potassium.



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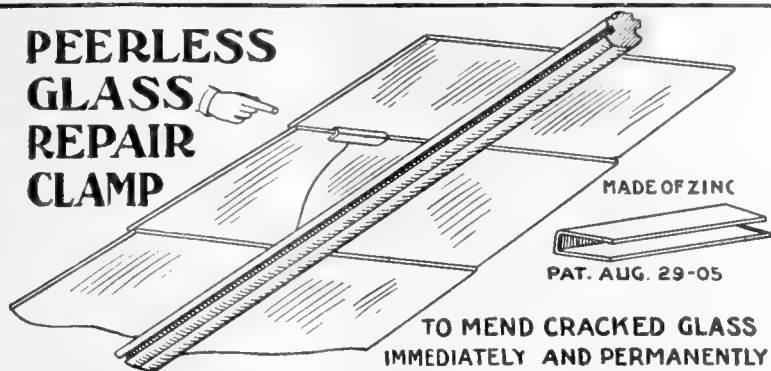
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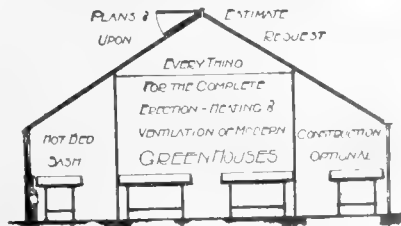
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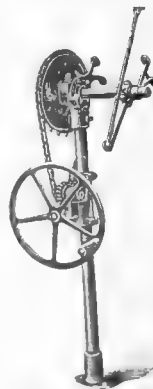


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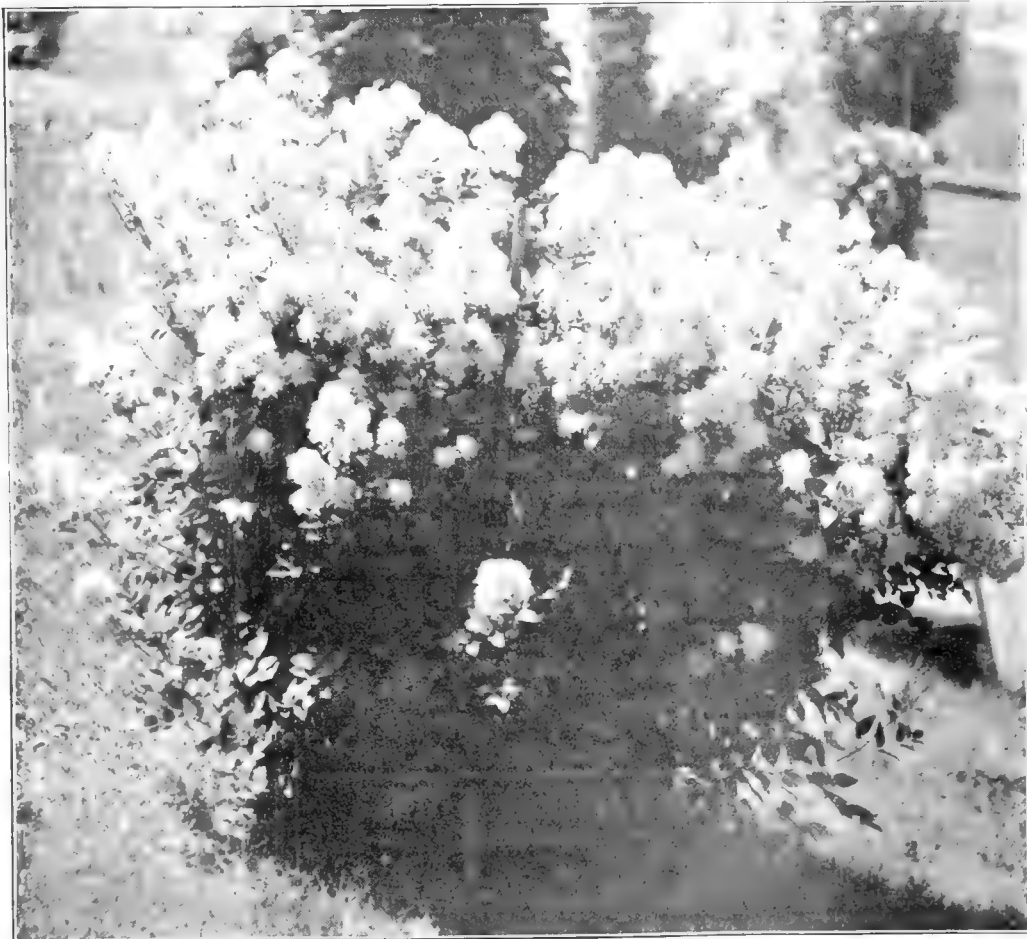
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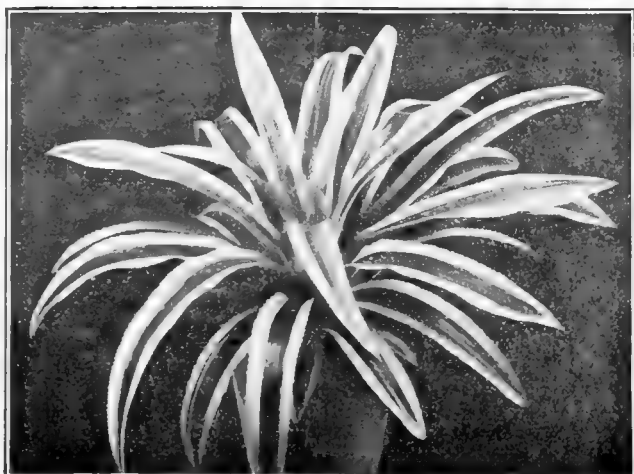
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Page	Page	Page	Page	Page	Page
Advance Co.....643	Conine, F. E. Nursery Co.....612	Haendler, M. P.....610	McManus, Jas.....634	Poehlmann Bros.....632	Stamford Seed & Nursery Co.....625-627
Albany Cut Flower Ex.....634	Cowee, W. J.....632	Hail Association.....643	Metropolitan Material Co.....642	Pratt, B. G. Co.....640	Stearns, A. T. Lumber Co.....642
Allen, J. K.....634	Craig, Robt. Co.....612	Hall & Robinson.....627	Meyer, John C. Co.....629	Quaker City Machine Co.....642	Storrs & Harrison.....612
Anderson, S. A.....627	Critchell, C. E.....632	Hart, Geo. B.....631	Meyer, Chas. F.....611	Randall's Flower Shop.....627	Stumpp, G. E. M.....628
Aphine Mfg. Co.....640	Crowl Fern Co.....635	Heacock, Jos.....621	Michell's Seed House.....624	Reed & Keller.....631	Stumpp & Walther Co.....621-640
Aschmann, G.....612	Dards.....626	Henderson, A. & Co.....612	Michigan Cut Flower Ex.....632	Reid, Edw.....632	Thorburn, J. M. & Co.....620
Asmus, Geo.....628	Davenport, A. M.....612	Hess & Swoboda.....626	Millang, Chas.....634	Reuter's.....627	Traendly & Schenck.....634
Ayres Co., S. Bryson Co.....625	Dorner, F. & Sons Co.....612	Hews, A. H. & Co.....642	Montreal Floral Exchange.....634	Rice, M. Co.....627	Trepel, C. C.....622
Badgley, Riedel & Meyer.....634	Dreer, H. A.....610-642-643	Hillinger Bros.....642	Moore, Hentz & Nash.....634	Rochrs, J. Co.....612	Valentine, J. A.....626
Barrie, Geo. N.....642	Dunlop, John H.....627	Hill, E. G. Co.....632	Murray, Samuel.....626	Roland, Thomas.....612	Varela, Federico.....625
Barrows & Son.....612	Dysart, R.....635	Hitchings & Co.....644	National Nurseryman.....610	Rolker, A. & Sons.....611-642	Vick's, James Sons.....625
Bayersdorfer, H. & Co.....629	Eastern Chemical Co.....640	Holland Nurseries.....610	New England Nursery series.....610	Schwaake, Chas. & Co.....611	Vincent, R. Jr. & Sons Co.....611
Bay State Nurseries.....610	Edwards Folding Box Co.....632	Holm & Olson.....626	Nicotine Mfg. Co.....640	Sheridan, W. F.....634	Wants, For Sale.....639
Bobbink & Atkins.....610	Elliott Auction Co.....621	Irwin, R. J.....624	Niessen, Leo Co.....632	Sharp, Partridge & Co.....642	Ward, R. M. & Co.....612
Boddington, A. T.....623	Ernest, W. H.....642	Kasting, W. F. Co.....632	Oechslin, Ernest.....610	Schlicht, Geo. C.....634	Warendorff, A.....620
Bolgiano & Son, J.....625	Esler, J. G.....643	Keller, J. B. Sons.....626	Old Town Nursery series.....610	Siggers & Siggers.....613	Weber, F. C.....627
Boston Florist Letter Co.....632	Eyres.....627	Keller, J. M. Co.....612	Ouwkerk, P.....610	Skidelsky, S. S. & Co.....625	Welch Bros.....632
Breck, J. & Sons.....625	Farquhar, R. & J. & Co.....610	Kentucky Tobacco Product Co.....641	Palmer, W. J. & Son.....626	Sluis & Groot.....625	Whittier & Co., W. B.....610
Breitmeyer's, J. Sons.....626	Fisher, Peter.....612	Kervan Co.....634	Park Florist Co.....626	Small, J. H. & Sons.....627	Wood Bros.....612
Bryan, Alonzo J.....612	Foley Mfg. Co.....642	King Construction Co.....642	Parshelsky Bros.....613	Smith, P. J.....634	Woodruff, S. D. & Sons.....625
Burpee, W. A. & Co.....625	Ford, W. P.....634	Konada Bros.....629	Peirce, E. Allan.....612	Smith & Co., E. D.....640	Woodrow & Markos.....632
California Seed Growers' Asso.....625	Framingham Nurseries.....610	Kramer, F. H.....627	Pennock-Meehan Co.....627	Smith & Hemenway Co.....624	Yokohama Nursery Co.....612
Carter's Tested Seeds, Inc.....624	Froment, H. E.....634	Kroeschell Bros.....643	Pierce, F. O.....643	Smyth, Wm. J.....626	Young, A. L.....634
Childs, John Lewis.....624	Galvin, Thos. F.....627	Knebler, W. H.....634	Pierson, A. N.....612		Young & Nugent.....626
Clark's, D. Sons.....626	Gasser Co., J. M.....627	Lemon Oil Co.....640	Pierson, F. R. Co.....621-627		Zinn, J. A.....627
Conard & Jones Co.....622	Graham, Adam & Son.....626	Leonard Seed Co.....625	Plantlife Co.....610		Zvolanek, Ant. C.....625
	Grey, Thos. J. & Co.....625	Loechner & Co.....611	Plant Food Co., 20th Century.....610		
	Gude Bros. Co.....627	Lutton, W. H. Co.....643			
		May & Co., L. L.....627			
		McCarthy, N. F. & Co.....632			
		McConnell, Alex.....626			
		McHutchison & Co.....610			

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 636, 637, 638, 639

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—/ p.

Asparagus plumosus nanus

Good strings of this asparagus can only be raised by constant and careful attention to their culture. A steady temperature of about 60 degrees and ventilation without cold draughts are important in growing fine *Asparagus plumosus*. Extremes either way in watering should be guarded against. Before asparagus shows any signs of exhaustion through the want of nourishment, they should have a top dressing of loam and well-rotted cow manure in equal parts. Liquid feeding can also be given once a week as these plants are rank feeders.

Begonia incarnata

Begonia incarnata is a useful winter flowering variety. It cannot be grown into a really salable plant, however, in one season and for this reason is unlikely ever to be a serious rival of *Gloire de Lorraine* or *Glory of Cincinnati*. By propagating now you would be able to work up a good stock for a year from this winter. It is not in good flower for Christmas, but in January and February it far outclasses *Lorraine*. Well grown plants would easily command a fancy price, for, as a house plant, it is way ahead of *Lorraine*. Plants carried over from last year, if they were cut back and kept on the dry side for a few weeks, will now be producing plenty of nice, succulent cuttings. Place in bench such as you would root roses in. Rooted cuttings should be potted off before they become hard. It is a great mistake to leave cuttings of any kind too long in the sand, as they soon become hard and stunted. Use a light compost: one which contains plenty of flaky leaf-mold is what they revel on. Give them a bench well up to the light in a house where they can have a temperature of 60 degrees at night.

Carnations

We must harden up the growth a little for the time when there will not be so much root action, so apply water with judgment. If you are in doubt as to whether the plants need it, better put off the watering until the next day at this time of the year. If the stems of some of the varieties are a little weak, give them a light dressing of wood ashes. In fact it will be quite beneficial to all of them, about this time. It serves to tone up the plant system and sweetens the soil. If the soil is not too full of roots stir it about a half inch deep with your hands, then sprinkle over it about a 3-inch pot of ashes to each row half way across a 5-foot bed and water thoroughly. Syringe only on bright days and early in the day to the end that the foliage may dry out before night. Of course you are keeping the plants disbudded right along now, so that by this time you should be picking some very nice blooms. Give strict attention to ventilation as this will play a big part in putting the plants in a good condition before the winter sets in.

Gladioli for Forcing

Every florist who has a local trade should force a good batch of gladioli; they will come in many ways handy. There are many beautiful varieties in the smaller-flowered or *Colvillei* section and for later forcing we have in addition to these the large-flowered sorts such as *America*, *Augusta*, *May*, *Silver Trophy*, *Shakespeare* and others. The *Colvillei* corms can be planted in flats or beds, while the large flowered kinds will need a bench or bed in order to do well. They will flower in from fourteen to sixteen weeks after planting. When planting in benches allow about 5 inches between the rows and 3 or 4 inches in the rows. The corms should be placed about three inches deep. Give them a temperature of from 50 to 55 degrees at night. When they have made fairly good roots and top growth they will be greatly benefited by weekly doses of liquid manure. Keep them nice and moist at the roots, as they like it.

Marguerites

If you are going to prepare for Easter at all, a good stock of marguerites should be gotten into shape, for that is the great day for the sale of them. Whether you have the old-fashioned Paris daisy or the latest,—by many of us considered the best of all,—Mrs. F. Sander—when well in flower they all sell, and that grand yellow sort, *Etoile d'Or*, also makes a splendid pot plant. If you have a lot of 2½-inch stock on hand let them come along on a sunny bench. If at all shapely they should be allowed to grow along from now on, and if kept in a carnation house temperature they should progress in good shape. A batch can be started by propagation now if not already started. All marguerites, whether white or yellow, single or double, flower well in spring and early summer, and a good many of them can be sold for bedding out and the filling of window boxes and vases. All will make good sized plants by the end of May. Bring your plants along so they will not have to stand the high pressure of extreme forcing. Be very careful as to watering, giving all the plants a required amount so as to keep them in unimpaired health.

Sowing *Centaurea gymnocarpa*

For filling vases, baskets and veranda boxes next spring *Centaurea gymnocarpa* will be of great use. To insure having a plant in 3½ inch pot with ten or twelve perfect leaves the seed should be sown within the next three or four weeks. When they are up you can grow them along in a cool house. Give them a good rich compost at each shift.

Mr. Farrell's next notes will be on the following: Forcing of *Ixias*; *Fuchsias*; *Lilium multiflorum* and *giganteum*; *Orchids*; Young *Cyclamen*; Storing *Cannas* and *Dahlias*.

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CONTENTS

Page

COVER ILLUSTRATION—Herbaceous Clematis.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Asparagus plumosus nanus—Begonia incarnata—Carnations—Gladioli for Forcing—Marguerites—Sowing Centaurea gymnocarpa—John J. M. Farrell.....	613
HERBACEOUS CLEMATIS—Richard Rothe.....	615
BOSTON CONVENTION GARDEN NOTES—Kenneth Finlaunson	615
WHY NOT GROW SEEDLING STOCK ON THE PACIFIC COAST—E. Bonard.....	616
SWEET PEA VEILED BRIDE—Illustrated.....	617
CLUBS AND SOCIETIES—Lenox Horticultural Society—Chrysanthemum Society of America—Nassau County Horticultural Society.....	618
St. Louis Society Meetings—Club and Society Notes	619
THE ROSE GROWING INDUSTRY—Robert Pyle.....	619
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, Knoxville, New York	633
Philadelphia, St. Louis, San Francisco, Washington	635
OBITUARY—Mrs. C. W. Hoitt—Mrs. Percy Huxley—Mrs. Robert Hunnick.....	623
SEED TRADE—Onion Sets.....	624
OF INTEREST TO RETAIL FLORISTS:	
The Retailer's Business Calendar.....	626
Flowers by Telegraph.....	627
Window Advertising.....	630
New Flower Stores.....	635
NEWS ITEMS FROM EVERYWHERE:	
Boston, Knoxville, Tenn., San Francisco, Washington	628
Chicago	629
DIAGRAMS OF FLOWER MARKET FLUCTUATIONS FOR TWO YEARS.....	630-631
BOSTON FLOWER EXCHANGE.....	630
MISCELLANEOUS:	
Personal	615
Massachusetts Agricultural College Notes.....	617
Basic Slag for Grass-land.....	617
Buds, "Crown" and Terminal.....	622
New York Exhibition Prospects.....	622
Fires	623
Catalogues Received.....	624
Patents Granted.....	624
New Corporations.....	624
News Notes.....	626-627
Visitors' Register.....	629
Greenhouses Building or Contemplated.....	640

themum holds the chief position in these enterprises that cannot well be avoided.

Put in
your ear

As November draws near, although the dahlias and salvias still adorn many gardens, we must begin to realize that winter will soon be upon us and the hustle and tussle of the busy season must be prepared for. If it looks unpromising ahead there is all the more reason for hustling so that a successful business may be extorted from unwilling fate. Give no heed to the pessimist. None of us are prophets or sons of prophets and the buoyant optimist knows as much about what is in prospect as does the apostle of ill-omen and grouch. There are just as many valid reasons for expecting good business this season as there are for fearing the opposite. And the best way to assure a good business is to get at it early and earnestly with an irresistible determination, and by this good example inspire those about us to do the same.

Improve
the occasion

Attention has been called to the fact that, because of the interruption of the usual demand from the warring countries of Europe, certain high-grade Holland bulbs that have heretofore been reserved by the Dutch growers for exacting buyers in Russia and elsewhere have for the first time reached the American market in commercial quantity. Evidence of the truth of this is not hard to find if one will take the trouble to visit any one of the leading seed stores dealing in these stocks. Never before have hyacinths, tulips and narcissus bulbs of such fine quality been offered to the American planter and it may be a long time before an equal opportunity presents itself for securing sensational stock to force for the spring exhibitions. The season in Holland is said to have been unusually favorable to the growth and perfecting of the bulbs which adds still further to the rarity of the situation. We hope our readers will take advantage of this opportune opening to do something out of the ordinary for the spring flower shows. Depend upon it no common stuff will stand any chance of winning honors this time.

A deep-
rooted evil

The Boston flower market growers and dealers, at their annual banquet last Saturday night listened to some pretty practical talk on the time-worn but ever timely subject of credits. It is an incontrovertible fact that the long-credit custom which has become so prevalent in the flower trade is its one worst feature. Irresponsible concerns find no trouble in getting goods on credit in every city in the country and the flower producer or jobber is called upon over and over again to face loss after loss as a result of this wide-spread evil, for which he individually is jointly responsible. And the injury falls not alone upon the grower who cannot collect for his goods but upon the trustworthy dependable tradesman whose business is cut into and injured by the unfair and demoralizing competition which has been so stupidly and reprehensibly encouraged and built up by those who must in the end be the greatest sufferers from its effects, both directly and indirectly. As to how to apply the remedy, opinions differ. One thing is sure, which is that so long as concerted action is withheld, there can be little hope for any improvement. Any movement towards amelioration must be generally agreed to and stolidly adhered to in order to be successful.

The fall
shows

Now for the fall shows. They are already under way in several places; next week will see them multiply and the following week will be high tide. It is to be regretted that the dates for so many of the more important exhibitions should come simultaneously but so long as the chrysan-

Herbaceous Clematis

The cultivation and artistic employment of hardy perennials in gardening is not only a most enjoyable pastime but a wonderful educator. A growing intimacy with the different characteristics of the material brings the desire to study plant life scientifically; it develops the subtlety of our vision in regard to beauty in form and outline as well as to colors and there is no use denying that by sometimes taxing our patience it is apt to strengthen this virtue. In the frequent absence of the latter I see one of the principal reasons why the American garden lacks so many plant treasures of which the European is justly proud. It takes time, and in our modern age there seems to be no time to wait for gradual development. A thing we cannot have at once, in by far the most instances, does not appeal to us at all. I wish to call the special attention of those of my readers inclined to be impatient to the cover-page illustration of an, at least, five-year-old specimen of *Clematis recta*. For further explanation I wish to add that the photograph was taken in Compton Garden in Chestnut Hill near Philadelphia. Compton Garden represents one of the rare exceptions where work has been carried on systematically for many years and the results, to say the least, prove the value of patience beyond a shadow of doubt. It is today Philadelphia's foremost private plant treasury excelling in its large collections of trees and shrubs embracing the bulk of Mr. Wilson's new Chinese introductions, grouped sufficiently apart to perfect development of the natural habit of growth of each specimen and all its other characteristics are easily discern-

ible. Compton Garden should be a Mecca for all Philadelphia's horticulturists who are anxious to learn.

Returning to our subject—the herbaceous clematis—the limited number of garden species rank among our best plants for the large perennial flower garden. Employed as single specimens on the open lawn, or as fore-runners of flowering shrub plantations their ornamental value evokes admiration. *Clematis recta* decidedly merits more consideration and space than it has so far received. Its masses of large white panicles can easily be made a conspicuous ornamental feature in our floral midsummer displays. *Clematis Davidiana* distinguished by beautiful bright green foliage and very handsome long bell-shaped lavender blue flowers, deliciously fragrant, deserves the attention of all garden and flower-lovers. The same may be said of *Clematis heracleaefolia*, a species closely related to the former, but bearing flowers of a lighter hue. *Clematis recta* flore pleno is said to be an improvement on the original form. The Siberian type of *Clematis recta*, offered by European firms under the name of *Clematis Pallasii*, produces more branching, lighter built panicles of graceful appearance.

Herbaceous clematis can be easily raised from seed sown in early spring, or, after ripening in September; or propagated by divisions. All prefer the open sunny exposure and thrive best in light rather high ground.

Richard Rothe

Glenside, Pa.

BOSTON CONVENTION GARDEN NOTES.

The Nymphaeas.

In the several bays planted with aquatic and semi-aquatic plants these flowers have made quite a hit with the visiting public. They sauntered around those bays in animated groups, and sat on the seats so thoughtfully provided by the park management at advantageous places expressing the enjoyment they received from beholding those strange, to most of them, water nymphs. The varied hues of the tropical kinds, commingled with the hardy species added a dash of color and novelty to the scene that made the picture a particularly pleasing one to those who are not so familiar with the charming effect of the tropical varieties. Indeed the professional fraternity are not any too familiar with the striking beauty of the tropical nymphaeas, largely, doubtless, on account of the extra care and preparations with its accompanied fuss of starting them in hothouses, etc. Nevertheless, they are so impressive that any extra fuss bestowed on them is amply repaid by their large and stately flowers. One or more according to the size of the small artificial pond, should always be employed to lend an added character to the collection.

The Convention Garden in this exhibit, as in others, has had its usefulness manifested, inasmuch as it has revealed two at least splendid acquisitions to the galaxy of hardy nymphaeas. In Mr. Tricker's exhibit, two excellent comparatively new hardy varieties were shown, Paul Hariot and Escarboucle; the term superb can appropriately be applied to the latter

named kind. It is the freest flowering variety that ever came under my notice, as it behaved here, being in continuous flowering since it was planted in early summer up to its removal in late October, and such large strikingly beautiful cup-shaped carmine colored flowers as I am persuaded to think has not an equal in the hardy Nymphaea family. It has, further, the essential characteristics that must be inherent to any kind of plants claiming special merits, and that is a strong growth habit. Nymphaea Paul Hariot seems to possess a superabundance of the latter characteristics, the masses of large foliage in every case testifying to the same. It is a very fine variety, of great substance, large cup-shaped flowers, creamy-white in color with a slight shading of pink at times. Natural robustness inherent in any one kind of plants when superfluity of foliage or wood is produced at the expense of floriferousness, would suggest to the practical cultivator the adoption of a less liberal dietary treatment, which, if not in all cases, in most, will correct largely the uneven balance between the excess of leaf or wood and that of floriferousness.

The water garden has a fascinating charm comparable to any branch of horticulture on a large scale. With an appropriate location and surroundings, it might indeed become an incomparable branch of horticulture, as a particular choice spot to delight and please the owner or the beholder, according to the excellency of the subjects used and the deftness of their respective artistic placing. Much pleasure can be derived from a limited area of water, planted judiciously, and it should be made a feature whenever

possible on all well regulated estates. To succeed well in this branch of floriculture, it is needless to say that "happy-go-lucky," "on-the-spur-of-the-moment" methods will not work towards that end. Forethought and preparation in securing the proper soil and other necessary material beforehand is as essential as in other cultural branches. KENNETH FINLAYSON.

PERSONAL.

Harry A. Barnard, representative of Stuart Low & Co., London, will sail for home on the Lusitania on November 4.

Matthew Macnair, Providence, R. I., is back from Europe. Several hundred palms which he purchased in Belgium and England have arrived in fine condition.

Alex Geranios, head of the Metropolitan Flower Co., St. Louis, was married the past week to Miss Anna Wittmann who has been in his employ. The happy couple were presented with a silver percolator and a cut glass set by the members of the Retail Association of which Mr. Geranios is secretary.

Economy is one of the principles of modern distribution which must be recognized no matter whom it hits.

Do you share in preventing this old world from becoming a howling wilderness by not howling.

Cold cash isn't so cold as it sounds; it has been known to warm some pretty chilly men, and women, too.

Many a man puts his foot in it when he attempts to stand on his dignity.

National Hardware B. Co.

WHY NOT GROW SEEDLING STOCK ON THE PACIFIC COAST

A paper read by E. Benard before the California Association of Nurserymen at San Diego, October 16, 1914.

I had the privilege to be born at Orleans, France. Angers and Orleans are the centers of production of the largest quantities of seedling stock that is distributed throughout the whole world.

First of all, is the selection of the land well adapted and suited for the propagation of such stock. The following are the conditions where the many nurseries of Orleans are located: a fine deep, well drained sandy loam or light clay soil, friable, retaining the moisture and free from alkali. They are situated along the former stream bottoms of the Loire River, which has a moist atmosphere most of the year, and the thermometer does not raise above 90 degrees in the summer months, nor fall below 20 degrees Farh't during the winter. Such a spot could be easily selected in California or in some parts of Oregon.

Many of the tree seeds and ornamental shrubs, native of the United States, and principally from California, are gathered and forwarded every year to Europe to be propagated according to the species, and later distributed as staple nursery stock, from there to all the world.

Second, The Seeds: As to pears and apples—they are a by-product of the cider press. They are selected from districts where the pears are hardy and exclusively free from blight. Many of these trees have been producing seeds of high germinating quality for a half a century or more. The apple seeds being also a by-product of the cider press, are taken from very old trees, which have been free from woolly aphids and curculio. The plum, "*Prunus sativa*" and Mazzard cherry seeds are gathered from trees generally growing along the draining ditches. After becoming separated from the pulp, the seeds are dried and sold fresh, to the nurserymen. The Mahaleb and Myrobalan seeds are harvested from the woods and sold fresh to the grower. As soon as these seeds are received they are mixed with coarse moist sand, put into protected cellars, free from frost, to remain there to stratify; about in the same manner as we do with the peach, apricot, almond, walnut and others in this country.

I will try to explain to you how the pear stock of superior quality, called French pear, are treated. After the late frosts are over, the seeds are sown in specially prepared beds, made of very friable soil mixed with sand. When sprouted and as soon as the first

leaves appear, they are transplanted as cotyledons, about 2 inches apart, in rows 6 to 8 inches apart. This operation insures three or four small rootlets a few inches under the collar. This transplanting is performed by men who are paid by piece price, many handling six to eight thousand, good stand, per day. These seedlings are kept clean from weeds during the whole season and watered quite freely during their growing stage. Many other seedling stocks are treated in the same manner. By this method, stock of superior quality are produced.

After the seeds of the plum, cherry, Maraleb and Myrobalan have been sufficiently stratified or sprouted, they are planted in small trenches, 2 or 3 inches deep (mostly done by hand), about 10 inches to 1 foot apart, covered over and mulched. They are to be kept well cultivated by hoe or, better still, by some Planet Jr. hand cultivator. Other seeds are treated according to their habits.

As to Manetti stock, which are propagated in large quantities every year, are made into cuttings of uniform caliber, about 6 inches long. All the eyes are cut out except the two or three to be left above the ground; this is done to avoid suckering. They are put into small bundles, heeled in coarse sand, and left there until they are calloused. After being calloused they are planted in about the same manner as that of the pear stock. The Angers quince stock, Paradise and Doucin Apple are propagated from mother roots, which have been previously planted 4 feet apart each way, in nursery rows. When old enough, say 3 or 4 years, they can produce young shoots of new wood of caliber size. They are induced to make new rootlets at the base by the manipulation of the soil during the fall, as we do with potatoes in this country. What has been said about the fruit tree seedlings could be applied to all the coniferous and ornamental nursery stock needed by the trade in this country, which at present are imported exclusively from Europe.

The workmen of these nurseries are generally divided into crews, which work in their respective departments, such as seedling conifers, forest trees, cuttings, grafting, transplanting, ornamental, roses, etc. Each man generally remains in the same department several years until he is an efficient workman.

When the shipping season is close at hand and the first frost has removed the leaves, each special variety of stock is dug separately and graded according to caliber, tied in uniform packages of one hundred and put in protected sheds or cellars to pass a sort of sweating process before they are ready to be packed for shipment. The motto of Orleans is, "Full count and uniform caliber."

Now, that is the way in which the many millions of seedling nursery stock are produced in that district and sold by the exporting firms, who are producers, jobbers and distributing

agents of such stock, and why they are financially successful. The firm or "Etablissement" gives the opportunity to their employees to co-operate in the welfare of the firm on the following principles: Every year the master gives his employees the opportunity to raise some stock and many times furnishes the seed or stock at cost price, and then buys from them all they can produce of a standard quality and uniform size, at a stated price corresponding with the selling quotations. In this way they retain in their service many efficient workmen, who produce at home in their spare hours an amount of stock which equals their wages and often times over. As you can readily see, they encourage their employees to make good wages, by buying every season all they can produce of a standard variety of trees, of which they are experts. Many of these men remain ten, fifteen and often twenty years with the same firm. The distributing firms of Orleans have between themselves a sort of "clearing house" co-operating so as not to over-produce certain stock staples and to maintain a remunerative selling price for the same.

I have here given you some points as to how it is done in France, and I do not see why we could not duplicate this important industry on the Pacific coast and by our improved methods of cultivation and irrigation, produce an equally good quality of all the seedlings, cuttings, young grafts of seedling stock mostly demanded on this continent, which are imported every year from Europe, and that could be sold at a living selling price here. With this inducement all the nurserymen of the Atlantic coast, as well as those of the Pacific shores, could co-operate and buy their needs on this coast. By doing this, we could retain in the United States, millions of dollars which are sent abroad every year to purchase seedling nursery stock. Therefore, we could create an industry which would prove a bonanza for this coast.

The Panama canal being open to commerce, our facilities for transportation put us as close to our Eastern states as the producing centers of Europe where we are at present compelled to purchase. To make this business a financial success we must follow their principle and, as stated before, avoid over-production, as the stock unsold costs as much to produce as that which is disposed of. I hope that in the very near future the Pacific coast states will be made the "Mecca" of the seedling nursery stock producers and distributors of the United States.

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MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

The junior class in Floriculture visited A. N. Pierson's, Cromwell, Conn., on Saturday, Oct. 24th. Quite a few acres of ground are devoted to grass. Piersons do most all of their own construction of new houses.

The Landscape Art Club has elected Earle S. Draper president, Harold D. Grant vice-president, Malcolm Goodwin secretary and Andrew Dalrymple treasurer. Weekly field trips will be made to study the native materials about the surrounding country.

The program for the second annual flower show of the Holyoke and Northampton Florists' and Gardeners' Club is in distribution. There are 42 classes listed, but it is a pity the classes should be limited to members of the society only. This narrows the scope of competition, and the far-reaching effects of the exhibition.

An exhibition will be held on the 3rd and 4th of November in French Hall. Table decorations and other showy groups will largely feature this exhibition. A display of fancy pottery will attract much attention, as many ideas can here be worked out individually by the students. A few new varieties of flowers tried out in the department will be exhibited for the judgment of the public. The idea to be emphasized in these floricultural exhibitions is to arouse interest and to receive support from outside growers, especially the commercial men. There should be co-operation between the college on the one hand and the commercial grower on the other, so that when the outside grower exhibits a fine display its merits can be noted by the student. He then gets acquainted with the varieties of flowers which the market demands.

W. H. HATFIELD.

BASIC SLAG FOR GRASS-LAND.

For many years Professor Somerville has advocated and practiced the use of basic slag for the improvement of grass-land. His experience has shown that in the cases of land which responds to this treatment, the meat and milk-producing power of grass-land has doubled or even quadrupled—poor herbage having been converted by the dressing of phosphate into a tangle of white clover. Professor Somerville now shows by means of a series of careful experiments carried out at the School of Rural Economy, Oxford, and published in the Journal of the Board of Agriculture, that grass-land to which basic slag has been added, after having amply repaid the cost of the dressing, contains an accumulated fertility, which is demonstrated at once and in striking manner as soon as the land is ploughed and sown with oats or other cereals. The experiments indicate that on land thus treated the first tillage crop is likely to show 50 per cent. increase over that taken from similar but untreated land. In the case of land at Cockle Park, North-

SWEET PEA VEILED BRIDE.



We take much pleasure in presenting a portrait of C. C. Morse & Co.'s sensational new sweet pea, Veiled Bride. We understand that the story of this variety is still very limited. Mr. Morse says that Veiled Bride has been in his "work shop" for about five years, and it is only now that

they have been able to get it fixed.

The cross made between Countess Spencer and Helen Pierce, the Veiled Bride Spencer appearing in the second generation. While it is not a very large Spencer, its daintiness and sweetness are bound to make it a favorite.

umberland, which had been dressed three times during 17 years with 10 cwt. of basic slag, the productive power was shown to have been increased by so much as 153 per cent., and soil from a pasture that had received only 7 cwt. of basic slag three years previously was improved by 121 per cent. This accumulated fertility

is to be ascribed partly to the residues of the phosphatic manure, but chiefly to the indirect effects of that manure. Among these indirect effects are the increased accumulation of humus and the larger fixation of nitrogen due to the increase of leguminous plants in the grass-land treated with phosphates.

Gardeners' Chronicle.

CLUBS AND SOCIETIES

LENOX HORTICULTURAL SOCIETY.

Lenox horticulturists held their annual flower show Thursday and Friday, Oct. 22 and 23. The show surpassed their former efforts, the orchid displays and the chrysanthemum groups being the finest ever exhibited in Lenox. To the growers the society gave \$800 in money prizes. There were three silver cups, the chief being offered for the best vase of chrysanthemums of any variety, the donor being the Chrysanthemum Society of America.

It took two sets of judges over 10 hours to decide on the award in the class for collection of 18 kinds of vegetables. W. Duckham of Madison, N. J., and Walter Angus of Chapinville, Ct., who judged the exhibition, disagreed and called in the other two judges. Alexander L. Marshall of Port Chester, N. Y., and John F. Johnston of Glen Cove, L. I., and the result of their deliberations was a tie vote of two for the collection exhibited by George H. Thompson from the Carlos de Heredia estate, and two for the collection shown by Edwin Jenkins of the Bellefontaine estate of Giraud Foster. These four men discussed the collections from 5 o'clock Thursday afternoon until after midnight, and reached no award. Despite the minute examination, scoring every vegetable separately, the result was always the same in the opinion of the judges. They notified the Lenox Horticultural Society officials of their positions on the award and asked to be discharged and this was done.

The next morning the Society called in three other judges R. Schmidt of Mrs. George G. Haven's estate, John Donahue of the Jesup estate, and Robert Scott of Pittsfield, of Mrs. William Pollock's estate. They were given the proposition to decide and after two hours' deliberation, placed the first award, carrying with it the silver cup offered by Joseph Brock & Sons, on the Foster exhibit by a margin of only five points in nearly 1500.

The list of awards in the plant and flower classes was as follows:

Plants—Chrysanthemums, three specimen plants, Mrs. John E. Parsons, 1st; one plant, Mrs. John E. Parsons, 1st; 12 single stemmed plants, Giraud Foster, 1st; Mrs. W. E. S. Griswold, 2d; Mrs. John E. Parsons, 3d; group of miscellaneous plants arranged for effect, Elm Court farm, 1st; Giraud Foster, 2d; specimen Kentia, Charles Lanier, 1st; specimen Areca, Charles Lanier, 1st; specimen palm, any other variety, Elm Court farm, 1st; specimen Adiantum, Charles Lanier, 1st; Joseph H. Choate, 2d; Mrs. W. E. S. Griswold, 3d; three specimen ferns, Charles Lanier, 1st; Elm Court farm, 2d; six flowering plants, Mrs. Robert Winthrop, 1st; R. W. Paterson, 2d; 12 ornamental foliage plants, Charles Lanier, 1st; G. Foster, 2d; W. M. Salisbury, 3d; three begonia Gloire de Lorraine, Elm Court farm, 1st; R. W. Paterson, 2d; orchids, group, silver cup donated by Giraud Foster, Mrs. W. E. S. Griswold 1st; A. N. Cooley, 2d; Elm Court farm 3d; round table of orchids, G. Foster, 1st; Charles Lanier, 2d; six Cattleya

labiata, R. W. Paterson, 1st; six cypripediums, Mrs. W. E. S. Griswold, 1st; six oncidium varicosum, Mrs. R. Winthrop, 1st; Elm Court farm, 2d.

Chrysanthemums, cut flowers—24 blooms, distinct varieties, G. Foster, 1st; R. W. Paterson, 2d; vase of 24 blooms, G. Foster, 1st; Elm Court farm 2d; Mrs. J. E. Parsons, 3d; 12 blooms, distinct varieties, Mrs. Griswold, 1st; Mrs. Parsons, 2d; A. N. Cooley, 3d; six blooms, distinct varieties, Mrs. Winthrop, 1st; W. H. Walker, 2d; 12 blooms, not less than six varieties, disseminated in 1914, Mrs. Griswold, 1st; Mrs. Winthrop, 2d; six yellow, G. Foster, 1st; Mrs. Griswold, 2d; A. N. Cooley, 3d; six red, Mrs. Griswold, 1st; R. W. Paterson, 2d; G. Foster, 3d; six white, G. Foster, 1st; R. W. Paterson, 2d; six pink, G. Foster, 1st; R. W. Paterson, 2d; Mrs. Griswold, 3d; six bronze, R. W. Paterson, 1st; Mrs. Griswold, 2d; G. Foster, 3d; six any other color, R. W. Paterson, 1st; G. Foster, 2d; Mrs. Griswold, 3d; three yellow, Mrs. R. Winthrop, 1st; Mrs. Parsons, 2d; W. H. Walker, 3d; three red, Mrs. Winthrop, 1st; Mrs. Parsons, 2d; W. H. Walker, 3d; three white, Mrs. Parsons, 1st; Mrs. Winthrop, 2d; W. H. Walker, 3d; three pink, Mrs. Winthrop, 1st; W. H. Walker, 2d; Elm Court farm, 3d; three bronze, A. N. Cooley, 1st; Mrs. Winthrop, 2d; Mrs. Parsons, 3d; three any other color, Mrs. Parsons, 1st; W. H. Walker, 2d; six "James Fraser" for C. H. Totty prize, A. N. Cooley, 1st; G. Foster, 2d; Mrs. Griswold, 3d. Chrysanthemum Society of America cup, vase of 10 blooms, one variety, G. Foster, 1st; Mrs. Griswold, 2d; Elm Court farm, 3d. Single chrysanthemums—12 vases, six sprays, A. N. Cooley, 1st; Mrs. Winthrop, 2d; six vases, six sprays, Mrs. Parsons, 1st; R. C. Dixey, 2d; J. H. Choate, 3d; pompon chrysanthemums, 12 vases, six sprays, Mrs. Winthrop, 1st; six vases, six sprays, Miss A. Kneeland, 1st; R. C. Dixey, 2d; W. M. Salisbury, 3d.

Roses—Vase of 50 in variety, G. Foster, 1st; Elm Court, 2d; 18 American Beauty, G. Foster, 1st; Elm Court, 2d; 24 pink, G. Foster, 1st; Elm Court, 2d; 24 Kaiserin Augusta Victoria, Mrs. Parsons, 1st; R. W. Paterson, 2d; 24 scarlet, Giraud Foster, 1st; 24 yellow or bronze, W. M. Salisbury, 1st; Mrs. Griswold, 2d; G. Foster, 3d; 24 any other variety, G. Foster, 1st; Elm Court, 2d; 12 pink, C. Lanier, 1st; Mrs. Parsons, 2d; Elm Court, 3d; 12 white, C. Lanier, 1st; Elm Court, 2d; 12 scarlet, C. Lanier, 1st; 12 yellow or bronze, Mrs. Parsons, 1st; C. Lanier, 2d; R. W. Paterson, 3d; 12 any other variety, W. M. Salisbury, 1st.

Carnations—24 white, R. W. Paterson, 1st; Mrs. Griswold, 2d; 24 pink, R. W. Paterson, 1st; Mrs. Griswold, 2d; 24 light pink, R. W. Paterson, 1st; Mrs. Griswold, 2d; 24 scarlet, Mrs. Griswold, 1st; C. Lanier, 2d; W. M. Salisbury, 3d; 24 any other color, R. W. Paterson, 1st; C. Lanier, 2d; John A. Spoor, 3d; 12 white, Mrs. Winthrop, 1st; A. N. Cooley, 2d; W. H. Walker, 3d; 12 pink, R. C. Dixey, 1st; Joseph H. Choate, 2d; 12 dark pink, Mrs. Winthrop, 1st; Mrs. Griswold, 2d; 12 light pink, Mrs. Win-

throp, 1st; C. Lanier, 2d; A. N. Cooley, 3d; 12 scarlet, W. H. Walker, 1st; A. N. Cooley, 2d; J. H. Choate, 3d; 12 crimson, J. H. Choate, 1st; Elm Court, 2d; 12 any other color, Mrs. Griswold, 1st; 50 blooms, mixed, Mrs. Griswold, 1st; R. W. Paterson, 2d; W. H. Walker, 3d.

Violets—100 Princess of Wales, Mrs. Griswold, 1st; J. H. Choate, 2d; R. W. Paterson, 3d.

The fruit and vegetable displays were very numerous, entailing a lengthy list of awards. The competitors were the same as the foregoing, in the main.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Exhibited at Cincinnati, Oct. 17, by Elmer D. Smith & Co., Adrian, Mich., Marigold, deep yellow, Jap. Inc., Com. scale 93 points; Crystal Gem, white, Jap. Inc., Com. scale 88 points; Niza, delicate pink, Pompon, Ex. scale 86 points; 3-54-12, pink, Inc., Com. scale 81 points.

Exhibited at Philadelphia, Oct. 17, by Elmer D. Smith & Co., Adrian, Mich., Crystal Gem, white, Jap. Inc., Com. scale 86 points; Niza, white, shaded to delicate pink, Pompon, Ex. scale 90 points.

Exhibited at Chicago, Oct. 17, by Elmer D. Smith & Co., Adrian, Mich., Niza, light pink, Pompon, Ex. scale 88 points; Crystal Gem, white, Jap. Inc., Com. scale 86 points; Marigold, yellow, Jap. Inc., Com. scale 92 points.

Exhibited at Boston, Oct. 17, by Chas. H. Totty, Madison, N. J., Antigone, white, Jap., Com. scale 90 points, Ex. scale 87 points.

Exhibited at Philadelphia, Oct. 17, by Chas. H. Totty, Madison, N. J., Antigone, white, Jap. Inc., Com. scale 87 points, Ex. scale 89 points.

NASSAU COUNTY HORTICULTURAL SOCIETY.

Owing to the drought and unseasonable weather that has prevailed during the past few weeks, there was only a limited display of dahlias at the early fall show of the Nassau County Horticultural Society, held Tuesday afternoon and evening, Oct. 20 and 21, at Pembroke Hall. In other outdoor flowers, and in the vegetable and fruit classes, however, the display was particularly meritorious. Henry Gaut gardener for Mrs. Herbert L. Pratt, staged a display of vegetables that was one of the most extensive ever shown here, and included almost, if not quite, every kind of vegetable grown in this climate.

Frank Pettricia, gardener for Anton G. Hodenpyl was a very successful exhibitor in the vegetable classes, as were also William Noonan, gardener for Charles F. Cartledge. Henry Gaut also made a fine display of grapes, and other outdoor fruit, Herman Boettcher was also a successful exhibitor in this department, and in addition to receiving prizes in the regular classes, was awarded a cultural certificate for va-

rieties of apples. James Duthie of Oyster Bay, gardener for Mrs. E. M. Townsend, was awarded special prizes for three exhibits of dahlias, and John Lewis Childs of Floral Park received honorable mention for display of seedling dahlias, and a certificate of merit for celosia.

ST. LOUIS SOCIETY MEETINGS.

The St. Louis County Growers' Association will hold a meeting on Wednesday night, November 4, at the Eleven Mile House.

The Retail Florists' Association held a meeting Monday night, October 19 at the Washington Hotel and had a splendid attendance and took a new lease of life.

The Florists' Union met on Monday night, October 26, in the Public Library. A. Artmann is president, Max Rotter, vice president and Mrs. Seeleg secretary. They now have a membership of thirty-two.

CLUB AND SOCIETY NOTES.

The Horticultural Society of Chicago will give what they call "A Seasonal Display of Chrysanthemums" at the Art Institute, Nov. 9-10. The only awards will be medals and no flowers except chrysanthemums will be exhibited. Novelties in blooming plants will be accepted.

At a meeting of the Newport, R. I., Horticultural Society, Oct. 27, W. A. Manda of South Orange, N. J. had on exhibition some very promising seedling decorative dahlias and certificates of merit were awarded to the following varieties in the collection; Minnie Burgess, Albert Manda and South Orange Surprise.

The eighty-third annual exhibition of The American Institute of the City of New York, will be held in the Engineering Building, 25 to 33 West Thirty-ninth street, on Wednesday, Thursday and Friday, November 4, 5 and 6. It will be a Grand Chrysanthemum Show, together with orchids, roses, carnations, ferns, palms, fruits and vegetables.

The prize schedule for the Sixteenth Annual Exhibition of the Tarrytown (N. Y.) Horticultural Society has been received. The show takes place in Music Hall, Tarrytown on Wednesday Thursday and Friday, November 4, 5 and 6. There is a splendid list of special prizes in addition to the regular class premiums, each day having its distinctive classes.

The next meeting night of the New York Florists' Club will be Ladies' Night and Alexander J. Guttman of the entertainment committee is making an unusual effort to have an attractive program for that evening for the entertainment of the ladies. The nominating committee held a meeting on Friday, the 23d, and will make their report at the November meeting of the Club.

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THE ROSE GROWING INDUSTRY

Prepared by Robert Pyle, West Grove, Pa., for the American Association of Nurserymen, Cleveland, June 24th.

It would be a pleasure if I might devote my time this afternoon to a discussion of the new roses which from information gathered in various parts of this country appear best adapted to American gardens. New hybrid perpetuals like Gloire de Chedane Guinoisseau, George Arends and Coronation, new hybrid teas like George Dickson, Edward Mawley, John Cook's new Panama, also the new pernetianas, Mme. Edouard Herriot and Willowmere, with many others, some just christened and not yet launched, this subject alone deserves our attention, for it seems almost neglect to pass by such modern celebrities as American Pillar, Christine Wright, Climbing American Beauty, Excelsa, Shower of Gold, with which rose gardens have recently been enriched.

I pass by the opportunity offered for a discussion of the newer roses to a phase of the subject which appeals to me as deserving the thoughtful consideration of no less important a group of men than are gathered here. Three years ago I traveled through western Europe with the express purpose of coming in touch with the leading rose growers and rose gardens, with camera cocked and eyes open for ideas as well as roses.

I do not pose as an expert, but wish to submit for consideration some facts that bear a close relation to your future balance sheets. Suppose for convenience, we divide the rose growing industry in America under three heads, first the cut-flower business from producer to ornamental decorator; second, and in this the nurserymen are more interested, the production of the small roses because really in itself a branch of the trade; and third, field-grown roses for outdoor planting. Regarding the first I will not even cite statistics. You know as a rule that the cut-flower men are a thrifty lot with acres of glass and still extending. Single firms there are that handle easily a million roses annually, and yet concentrate on a little more than a dozen varieties all told; that is one thing the nurserymen cannot do.

Second, the increasing demand for small roses is indicated by the growth of one center in this state alone which claims an output of seven million roses a year, and that is by no means the only place where such roses are produced in large quantities. While the first named class influence the taste of the American public and the second class mentioned influence the nurserymen by what they have to supply them. I believe the subject that most closely concerns you and that deserves the attention of us all is that of field-grown

roses for garden planting, and whether they be own root or budded, whether they be produced on the Pacific coast, the great gulf states of Mississippi and Alabama, the Atlantic coast states of Virginia, North Carolina and Georgia, whether from New York and Ohio or from the very heart of the country itself, while of real importance to us producers does not matter so much as does whether those in charge of these vast producing areas are awake to what appeals to me as an opportunity for bigger business at better prices.

You will remember that in the sacred history account of the people of Egypt it was "Joseph the dreamer," whose foresight and gumption had provided in advance for the lean years during which his people had enough and to spare. Call it a dream if you will, and there are those here that know more about this industry than I, but it is my firm belief that the rose growing industry in America is on the threshold of a new era, and if I mistake not, how rapidly we advance and take possession of the field before us will depend more upon the gentlemen who are here (or who read these words) than upon any other one group of men I can think of in America, unless it be a very little group with whose work I wish to make you later acquainted. We are living in an age of co-operation. Noteworthy enterprises demand unity of purpose and continuity of effort and that only I feel is necessary to put the rose growing industry in America where it rightfully belongs, foremost among the nurserymen's specialties.

Between the producer and consumer in this industry, as in others, stands the sales manager; he is obliged to know both ends of the game, as a part of his proposition. He will tell you that among the most important distributing agencies of field-grown roses are the nurserymen's agents or the small dealers; second, the department stores, and third the catalogs of the catalog houses. Perhaps the department stores are least particular about the quality and origin of their stock and are prone to neglect the essentials of care and treatment and in consequence probably hand out more stock that fails to make good than any other of the three distributing agencies mentioned. The nurserymen's agents do sell "stuff" as any one who grows for this class of trade realizes, but I am informed by one of the largest of them, that it is not the grower or indeed the agents who control the sales, but rather that as regards new roses especially he is limited and influenced according to the stock color plates which are distributed* by the Rochester and other lithographers. So I turn to the last of the three distributing agencies the catalog man who hires expensive salesmen, and hires them by the thousands and consequently the selection of the varieties that he shall recommend and push are more entirely within his own control.

With a sales situation as above de-

scribed what is the result: The department stores take what the Holland salesmen choose to deliver. Second, the firm which depends upon agency distribution continues to grow largely the same old varieties in order to cover the sales produced mainly by lithographed plates, and while the catalog man may be a little better able to dispose of new varieties as they come along, he, too, is slow to weave into his list the worthy new sorts as they are introduced—why? First, because the general public do not now readily take hold of new sorts and second because the grower himself lacks first-hand information regarding the new roses. Except for one or two firms who are doing splendid test work for their own information, our present means and methods for testing new roses and disseminating information are woefully inefficient and inadequate. How many of us realize that new roses are being introduced at the rate of seven hundred every five years—yet how many of us know what we are getting when we buy new roses from abroad and therefore go slow and in consequence are so far behind our European brother as to give him the cream of the American trade.

Can this be true? It is distinctly so in some sections. Just for example at the Syracuse Rose Show where I acted as judge, there was one amateur alone who showed one hundred and fifty varieties out of a collection of something over 250 in this garden, and he was only one of many I met there who were obtaining their stock directly from across the water. Several other amateurs with whom I have come in contact, typical of those who show a discriminating interest in having the best obtainable, seem to feel that it is only natural that they should go to the source of supply in Europe for what they want in the way of roses. I have it on good authority that one enthusiast not from New York State or Ohio, during the past year has bought upwards of seven dozens of rose bushes none costing less than \$3.50 a bush and a greater number \$5.00 each, having imported all of them from abroad, and from among the number only one, the Rose Richmond was hybridized in this country. I believe that this tendency to go abroad for roses is growing, not so much because of the superior quality of the stock as the new varieties there introduced and there early available.

Let us compare. The average number of roses offered by the six leading rose firms in America, the past spring was about 400. The average number of roses offered by the six leading rose firms in England was over 1,000. The total number of varieties offered by eleven leading American firms was a little over 1,000, and only 18 kinds were offered by them all. In these eleven catalogs of 1914, I find ninety-one new roses not formerly listed by any of them. I calculate that American firms have begun adding on the average more than twice as many new roses annually as they did five years ago. But in selecting them it is largely guess work and consequently we still crawl along in the dark.

Therefore, in order that we may walk in the light, in order that we may not become burdened with the 1,000 long list of the Europeans—in order

that we may eliminate before they reach the nurserymen's hands the varieties unsuited to our needs—in order that we may build our sales upon "make good" sorts only—I advocate that American growers provide adequate means for obtaining country-wide tests of roses for Americans.

Having once established a means of obtaining regularly a dependable list of roses that will make "come back" customers, may we not turn to the other phase of our subject, that of creating throughout the country a greater interest in and a bigger demand for roses. Painted upon the wall of a certain high building in Cleveland, you will notice a spectacular advertisement showing an Indian standing on a rock overlooking a great city completely illuminated. The Indian is made to explain "All Light—No Night"—a condition that is typical of every first-class American city. What has made possible our magnificent illuminating systems? Because one Benjamin Franklin of Philadelphia, detected evidences of a wonderful power lying latent about him. He blazed the way for modern electrical engineers; and electricity, which was a scattered force, and to the Indian unnoticed, has been brought under control and direction and is now used.

In the same sense and in no less a degree there is lying loose around us a love for the beautiful, which needs to be centralized, organized, controlled and used. The love for flowers is instinctive. The power of a beautiful rose to beget enthusiasm for more roses you all know. It is tremendously contagious, and do you know that if by means of roses the love for beauty, lying latent all over this big country, were once enkindled and exploited, you would be obliged to double your output or else double your selling price.

If the rose men of America were to combine in a national advertising campaign (just as the lumber men and the brick firms have done), their advertising manager in making his preliminary study of the situation would want at least to review the industry abroad, where last year the demand for roses exceeded the supply. As between the American situation and the European, he would discover one big and notable difference. I, therefore, propose to present to you photographs of some of the leading horticultural exhibitions held in England and of some of the most distinguished private and public rose gardens in France, and I want you to see if you can detect wherein our European craftsmen have succeeded in arousing public interest in a field in which we are merely pioneers. (Mr. Pyle here threw on the screen with colored lantern slides, views of the great shows of the National Rose Society of England, of the Royal Horticultural Society, of the leading growers of England, Ireland, France, Germany and Luxemburg.) He described in succession with autochrome reproductions, the famous Rosarie de la Hay with its seven thousand five hundred different varieties; with its tree roses 12 feet high with 5 and 6 feet spread; with its avenues of rose-covered archways; its laboratory for extracting the essence of the rose; its museum containing records of the rose in the literature of all languages as used in the produc-

Thorburn's Seeds and Bulbs

To the Trade:

TO the Florist who depends for his profits upon reliability of his seeds and bulbs a bargain is not of the first importance.

Yet we often have an over stock of popular seeds and bulbs which we are able to supply below the market.

This Month We Particularly Recommend the Following:

Freesia Purity Bulbs

$\frac{1}{2}$ -in. diam., $1\frac{1}{2}$ -in. long.
Per 100, \$2.00 Per 1000, \$10.00
Extra Mammoth Bulbs,
\$3.00 per 100

Refracta Alba

$\frac{3}{8}$ to $\frac{1}{2}$ inch.....\$3.00 per 1000
 $\frac{1}{2}$ to $\frac{3}{4}$ inch.....5.00 "
 $\frac{3}{4}$ inch and upward... 8.50 "

Pansy Seed

Finest Strains

	Per oz.
Thorburn's Superb.....	\$1.00
Fine Large English Mixed.....	.90
Masterpiece.....	.80
Masterpiece from Originator.....	3.00
Trimardeau Giant Mixed.....	.90

Lilium Harrisii

(Bermuda Easter Lily)
5 to 7 inches in circumference
\$5.50 a hundred \$45.00 a thousand
7 to 9 inches in circumference
\$10.00 a hundred \$85.00 a thousand

And all other varieties at reasonable prices.

Also a few cases Cold Storage
Lily of the Valley Pips

Cases of 250 each for..... \$1.50
Cases of 500 each for..... 8.00
Cases of 1000 each for..... 15.00

Ask for a copy of our Bulb Catalog and Special Prices to Florists

J. M. THORBURN & CO.

Established 1802

53 Barclay Street - New York



tion of textiles, coins, paintings—in-
deed wherever the rose has figured in
art—with also records tracing the his-
tory of rare roses found in this gar-
den, kinds that dated back beyond the
beginning of the Christian era, and
then he showed how cleverly screened
from the rose of the garden is a little
open-air theatre with turf seats, bloom-
ing roses for footlights and for stage
setting, where M. Gravereaux provides
entertainment especially of produc-
tions treating of the rose for the pleas-
ure of his friends from Paris. Espe-
cially favored are the members of the
French Rose Society and the Ladies'
French Rose Society, as well as dis-
tinguished visitors from abroad. Then
showing a photograph of M. Grave-
reaux, Mr. Pyle called attention to the
magnificent work abroad that has been
done by the amateurs, when they be-
come sufficiently interested in popu-
larizing the rose for all the people.
As for example, M. Gravereaux himself
an interested amateur, was largely in-
strumental in persuading the authori-
ties of the city of Paris to establish in
one of the public parks, the Bagatelle
Gardens in the Bois de Boulogne, a
magnificent garden of three or five
acres in extent, with a completely rep-
resentative collection to which are an-
nually added the seedling roses invited
from the hybridizers of all nations.
Another feature which lends unusual
distinction to this garden is the an-
nual meeting of men prominent in the
rose growing industry who are invited
as representatives from all nations, in-
cluding England, Ireland, Holland, Ger-
many, Luxemburg, France and Amer-
ica, who bring their own intimate
knowledge of values regarding new
roses to bear in the decision, upon
kinds most worthy of the gold medal
and grand prize awards so highly cher-
ished by the originators. Mr. Pyle il-
lustrated the above with a series of
photographs lastly showing a group of
some twenty such judges standing
around the rose Jonkheer J. L. Mock,
which that season was awarded the
gold medal, and in a comprehensive
summary of European practices, the
speaker pointed out the fact that the
difference between the American and
the European industry may be seen in
the fact that abroad the amateurs
with all their resources of time and
money and enthusiasm have been har-
nessed to the happy task of popular-
izing roses. They "have it going" and
the motive power appears to be auto-
matic within the amateur. With re-
spect to rose shows, organized ama-
teur rose gardens, we as yet are in the
pioneer stage, but happily in America
have examples of how these things can
be and are being carried out most suc-
cessfully.

With an illustration of ex-President
Roosevelt sitting at his desk in ad-
miration for a large bouquet of mag-
nificent Richmond roses, the speaker
related the incident when last the
American Rose Society met in Wash-
ington and upon adjournment went in
a body to meet the President in the
White House, presenting him with a
bouquet of roses of American origin.
After interrupting his remarks to con-
gratulate Mr. Hill, the originator, Mr.
Roosevelt expressed the great feeling
of satisfaction which always came to
him "when we Americans are able to
produce what we need for our own
use."

AZALEAS

We have just received a large importation of Azaleas in splendid
condition, which we offer for immediate delivery and as long as un-
sold at no advance over prices of previous years.

We offer the leading varieties,—Mme. Van der Cruyssen, Vervae-
neana, Simon Mardner, Empress of India, Mme. Jos. Vervaene, Ernst
Eckharte, Niobe, Vervaeneana Alba, etc., strong plants:—

10 to 12 inches in diameter	\$6.00 per dozen,	\$45.00 per 100
12 to 14 "	9.00 "	60.00 "
14 to 16 "	12.00 "	75.00 "
16 to 18 "	18.00 "	135.00 "
18 to 20 "	24.00 "	
20 to 22 "	36.00 "	
Dwarf or Miniature: Firefly or Hexe, and Chas. Encke.....	4.80 "	35.00 "

**F. R. PIERSON, TARRYTOWN,
NEW YORK**

Too little incentive and precious lit-
tle reward indeed, in the past, have
been offered to the American hybri-
dizer, and this is one of the various
points among others that I shall men-
tion, which calls for our corrective at-
tention, if we would develop our rose
growing industry. Let me recapitu-
late. We have already shown the need
for a series of test gardens. There is
no question but that there is an enor-
mous field for the development of
roses, particularly for American condi-
tions, and therefore that we should en-
courage hybridizers. Furthermore, we
need to organize rose societies, garden
clubs, among amateur rose growers, to
encourage and assist in every way pos-
sible with organized local effort along
these lines, and last but by no means
least we must get going the movement
to plant public rose gardens for all the
people.

You will be interested in the prog-
ress already made with the test garden
movement, which was launched a year
ago last April at the annual meeting
of the American Rose Society, and also
of the Society of American Florists
and Ornamental Horticulturists held in
New York, and as evidence of what
has been done you will see in these
pictures the splendid location pro-
vided for us at Washington, just
across the Potomac River, by the De-
partment of Agriculture, who have
charge of the garden under our aus-
pices. The next pictures also show
an equal number of some two or three
thousand roses that were planted out
this spring on the grounds of Cornell
University at Ithaca, New York.

It is difficult to estimate the value

JAPANESE Bamboo Canes

**Just the thing for
Staking Plants and
Small Trees**

[Per Bundle]

6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

**30 and 32 Barclay Street
NEW YORK**

**HEACOCK'S
KENTIAS**



**JOSEPH HEACOCK COMPANY
WYNCOTE, PA.**

**ELLIOTT
AUCTION COMPANY**

SALES DAYS

Tuesday and Friday

42 Vesey St., New York

Consignments Solicited

to American rose men likely to grow out of these gardens. We can certainly depend upon information quite as useful as that worked out at Cornell by the American Peony Society or the American Sweet Pea Society, and it is encouraging to know that the New Jersey State Experiment Station at New Brunswick have requested the A. R. S. to establish a rose test garden on their grounds; a similar request has come from Vassar College, with its annually changing body of five thousand women, most of whom some day will have rose gardens of their own; a similar request comes from Minneapolis, and what is the stand taken by the American Rose Society with reference to extending this work? Because rose gardens are not of mushroom growth they require care and the judgment that comes with experience, as well as stock. There is little question about the success of the gardens already established. The response of the trade donating roses has been most gratifying, but the present membership of the American Rose Society does not afford men enough to properly handle the work ahead. Do you know the NATIONAL ROSE SOCIETY OF ENGLAND HAS OVER FIVE THOUSAND MEMBERS, and are you aware that in our own enormous country our membership numbers less than a paltry three hundred? We will accept the invitation to establish rose gardens in other centers when the increase of membership brings us from the trade and from the ranks of able amateurs, men who will share with us in assuming responsibility for the oversight of these gardens. Their value has been exemplified by the results in the Hartford test gardens this past spring with seedlings of two years' stand, that enabled the judges to make careful and valuable awards within the present month to seedlings and other roses some as yet undisseminated.

But most impressive evidence, I think, of the possibilities for cities in different parts of the United States to make use of the rose for the benefit of their people at most reasonable expense and with surprising results, is the example of Elizabeth Park rose garden, Hartford, Conn., of which I am able to show you some photographs. Do you realize that during the first rose week in this month there were counted in this park in one day not less than one thousand five hundred automobiles and careful count showed the attendance for the day over 32,000 people? The rose garden is only an acre in extent. The authorities were obliged to plant perennial and other gardens nearby to scatter the attention and prevent the grass turf from being entirely worn out. Attempts were noticed in the gardens of many wishing to note varieties for home planting, but certainly under great difficulties, because of the crowds pushing from behind. When one little park in New England can call forth a hundred thousand people within three weeks, doesn't it indicate the latent love for roses that other cities ought to recognize? Some will object that conditions in other cities do not permit. Look at this illustration of what has been done towards a rose garden in the parks of Minneapolis, our cold northwest country. If they can have roses, such as these, surely no man-sized city need hesitate.



FOR YOUR CATALOG IT'S TO YOUR ADVANTAGE TO LIST SWASTIKA BRAND CANNAS

TO thousands of people, all over this country, the **Swastika Brand** stands for the very best Cannas it's possible to grow.

It stands for the choicest varieties produced. It reflects the wonderful work of Antoine Wintzer, who has been so frequently called, "the Canna Wizard."

The **Swastika Brand** name in your catalog, is a canna guarantee to your customers. Not a root of our stock is grown South. Every one of them is grown by us right here in West Grove, Pennsylvania. They are solid and heavy, making them the best of keepers and slow to dry out. They are dependable in every way.

Let us make up for you, from our collection—a list covering the best in each color, in the dwarf, tall and bronzed-leaved varieties.

Surely you will want some of **Mrs. Woodrow Wilson**, with its large, overlapping petals of rich crimson pink set in veined, light green foliage.

Then there is **Wintzer's Colossal**, which is by far the one best large flowering red variety; no list can be complete without it.

Let us help you solve your Canna problems. We will furnish free to you rows of **Swastika** signs for use in the Canna heading for your catalog.

THE CONARD AND JONES CO.
SWASTIKA BRAND CANNAS
WEST GROVE, PA.

ARE YOUR PLANTS MOVING?

If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. **Cash Ready.**

We are the **Largest Distributors to the People** in the United States.

C. C. TREPEL

LOESER'S, Brooklyn, N. Y.
BLOOMINGDALE'S, N. Y. City
GIMBEL'S, New York City

BUDS, "CROWN" AND "TERMINAL."

Dear Sir:—

Would you kindly publish in your columns what buds make the best flower on chrysanthemums, the first or second? Yours truly,

READER.

The taking of the bud on chrysanthemums depends usually upon the varieties grown. As a general rule the first bud, or crown bud, is not as good as a bud taken the second time. This is a terminal bud. The later the variety the more opportunity to take a second or even a third bud. If the first bud is taken too early it will develop weak and off color. The crown bud is taken in ordinary varieties only when it is solid, flat, and of healthy appearance.

NEW YORK EXHIBITION PROSPECTS.

We are pleased to learn that there is as yet no foundation for any solicitude as regards the holding of the proposed spring flower show in New York next spring. From what we can hear show preparations are moving along as well as could be expected. It is possible that the closing of some of the large private estates may cut out some prominent exhibitors at past shows but "there are others" and until something more alarming transpires, the contracting of "cold feet" seems ill-advised. The fall show at the Museum of National History at the end of the present week should give some little insight into the attitude of the exhibitors as regards supporting the spring enterprise.

Obituary

Mrs. C. W. Hoitt.

Mrs. Hoitt, wife of Judge Chas. W. Hoitt, Nashua, N. H., died on Monday morning, October 26, after a long and painful illness.

Mrs. Percy Huxley.

Mrs. Huxley, wife of Percy Huxley, of Pine Grove Gardens, Sayville, N. Y., died on October 12, leaving an infant son. It is a hard blow for Mr. Huxley, they having been married only a year and all their relatives are across the water.

Mrs. Robert Hunnicks.

After a long illness Mrs. Robert Hunnicks died at her home in Newport, R. I., on Oct. 24. She was the wife of Robert Hunnicks, who was for many years gardener for Mr. F. W. Vanderbilt at Newport and who is at present in charge of Mrs. Delancey A. Kane's estate.

TREATMENT OF STORE HELP.

One of the first things I want to go on record as saying in offering my theory of the relationship between employer and employee, is that you are going to see a constantly changing sea of faces among the employees of a store where the owners still believe that they can "King and Queen" it over their employees.

If you have any doubt regarding the proof of this statement, just observe the way competent sales people are changing from one store to another. So frequent are these changes that the loss of capable help is one of the big nightmares of the merchant today; not from the standpoint of more salary, but largely from the human side of it.

To solve this problem, it is necessary for the employer to get right down among his employees—mix with them—be one of them—make a fuss over them, then let them know that you expect service from them in keeping with their compensation. There is a happy medium you can strike, if you hunt for it.

To my mind, there are more stores suffering today from too much system than from being under fed with it. No system is bad, but too much system is worse. Knowing where to put on the brakes, that is the point.

One of the best systems in the world is that whereby one can hold his entire force of help with the magnetism of his own presence. He can be intimate with his employees without becoming too intimate. He can compel their respect, and should. It is not an easy matter to tell how he can do these things, but he can. Every employer should take heed of the degree in which his control of his own paid employees is largely slipping from him.

The law now says how many hours a week certain employees should labor. What a laugh such a suggestion would have produced 25 years ago. The law

BODDINGTON'S Quality French Bulbs

FOR IMMEDIATE DELIVERY

Remember you may deduct 5% if cash accompanies the order

LILIUM CANDIDUM

The thick-petaled kind. We offer only the Northern grown. August delivery. They are hardier and free from disease. "Variety is the spice of life." You should plant some of these. They are excellent for cutting in May and June, and your customers will appreciate the change from the so-called Easter Lily. 20 to 22 cms., \$4.25 per 100, \$40.00 per 1000; 22 to 24 cms., \$4.75 per 100, \$45.00 per 1000.

QUALITY BRAND PAPER WHITE NARCISSUS GRANDIFLORA

	100	1,000	5,000	10,000
13 centimeters and up, running about 1250 to the case.....	\$1.00	\$9.00	\$42.50	\$80.00
14 centimeters and up, 1000 to the case.....	1.25	10.00	48.50	95.00

QUALITY BRAND FRENCH ROMAN HYACINTHS

	100	1,000
White. 11 to 15 centimeters, 2100 bulbs in a case.....	\$3.50	\$32.75
White. 12 to 15 centimeters, "Quality Brand," 1900 bulbs in a case.....	3.75	35.50
White. 13 to 15 centimeters, "Quality Brand," 1600 bulbs in a case.....	4.25	40.00

FREESIA REFRACTA ALBA QUALITY BRAND

	100	1,000
Bulbs, $\frac{3}{8}$ to $\frac{1}{2}$ inch in diameter.....	\$0.75	\$6.00
Mammoth Bulbs, $\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter.....	1.00	7.50
Monster Bulbs, $\frac{3}{4}$ inch and up in diameter.....	1.25	10.00
Jumbos	1.50	12.00

FREESIA PURITY

Flowers are snowy white, of large size, and borne in great profusion on long stems. First size, \$1.75 per 100, \$15.00 per 1000. Second size, \$1.25 per 100, \$10.00 per 1000.

LILIUM LONGIFLORUM FORMOSUM

We have a small stock of the following and offer until sold as follows:

	Doz.	100	1,000
7 to 9-inch, 300 bulbs in a case.....	\$1.00	\$7.25	\$70.00
8 to 10-inch, 225 bulbs in a case.....	1.25	9.50	93.00
9 to 10-inch, 200 bulbs in a case.....	1.50	11.25	110.00
10 to 12-inch, 200 bulbs in a case.....	2.00	15.50	155.00

THESE PRICES ARE FOR THE TRADE ONLY.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK

says that if your girls are standing up too much during their working hours they must be provided with seats, and the law says certain other things that makes service conditions vastly different than they have ever been before. The great thing that I would emphasize to every dealer who is an employer is that he devote as much time and attention to a study of the human side of life from the standpoint of his employees, as he does the commercial side from his own standpoint.

Time was when the drunk could go on being the drunk and still get away with his job, when the star salesman could stay up all night playing cards and not be reprimanded the next day for dozing as he worked, but these weeds have all been cut; there are not nearly enough men and women to

cover the demand for competent help. It is a tragedy when even one good employee gets away from you.

I say, "Study the human side of life and reap the benefit from your employees.—Shoe Retailer.

FIRES.

Dobbs Ferry, N. Y.—The greenhouse on the Morton Paton estate was completely destroyed by fire Oct. 18th. The cause of the fire is unknown.

N. Tonawanda, N. Y.—The greenhouse owned by John Schweichler at Division and Christiana streets was practically destroyed by fire Oct. 20th. The loss is estimated at \$4,000, partially covered by insurance. Mr. Schweichler will rebuild at once.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

Onion Sets.

We learn from Schilder Bros. of Chillicothe, Ohio, the following facts concerning the onion set crop:

About 98 per cent. of all the large onions sold after the 1st of September are grown from seed, and practically all onions grown from seed are not ripe until late August and up to Sept. 15th. Onion sets are ripe and harvested in Chillicothe the first week in July, and are usually harvested in Louisville July 15th and in Chicago Aug. 1st. All vegetable crops this past summer maturing up to Aug. 1st were a short crop in nearly every section. It was late July and all through August that the weather was favorable for the growing crop of large onions produced from seed. Right in Louisville, where 300 to 500 cars of large onions are grown each season from sets and are ready for market the 1st of July, they sold as high as \$7 per bbl. this past summer, because the crop was short. Therefore, it does not obtain that because there is a large onion crop there will also be a correspondingly large crop of sets, simply for the reason that sets are ready for harvest a long time before large onions; and as before stated, August was a very favorable month for the growing crop of large onions and other vegetables as well.

June is the month for the set crop to make in Chillicothe and Louisville, and all through June and a good part of July is the time for sets to make in Chicago. Late in June Chicago was suffering for rain, and none fell there until late in July. However, that section has very close to an average crop, and a little increase in acreage over last season. Louisville had no rain whatever in the set-growing section from the 5th of May till the 10th of July, a period of practically ten weeks. Last year that section had between 100,000 and 125,000 bushels of sets. This year they will have about 30,000 to 35,000 bushels of very inferior quality, for the reason that so many of the bulbs are no larger than beans; such stock would blow out through the mill in January and February. In the Chillicothe section there are a few less sets than last season. Whatever excess bushels Chicago

may have this year over last will not any more than offset the shortage in Louisville and Chillicothe sections. Therefore, it is not believed that there are any more sets in the country this season than there were last, and last spring there weren't enough sets to go around. Several thousand more bushels could have been sold in April at \$3 per bushel, but they couldn't get them.

Notes.

For the week ending October 17, 1914, the value of imports of grass seeds into the port of New York was \$12,448; of clover, \$7,335; of trees and plants \$47,152.

Louis H. Schaefer & Sons have opened a seed and bulb store at 102 Hudson avenue. Mr. Schaefer has for the last ten years represented the seed house of Sherman & Eberle.

CATALOGUES RECEIVED.

Wilbur A. Christy, Warren, O.—Price List of Mapleshade Gladioli.

J. Bolgiano & Son, Baltimore, Md.—Advance 1915 Wholesale Prices for Market Gardeners.

Sluis & Groot, Enkhuizen, Holland—Advance Price List of Vegetable, Flower and Agricultural Seeds for season of 1914-15. Issued under date of October 12, 1914, this wholesale price list of a well known and highly respected house comes with a welcome assurance that in so far as first-class flower and vegetable seeds are concerned, the trade in this country need not be disturbed by the unfavorable conditions existing in other European countries.

The B. G. Pratt Co., of 50 Church St., New York City have just sent out a very instructive publication in the interest of "Scalecide." It is a 32-page pamphlet, finely illustrated and it gives an abundance of conclusive evidence in testimony to the virtues of this preparation as an effective remedy against scale insects, with full directions for its use. The time for scale destruction is now here and Messrs. Pratt & Co., are ready to do their share. The pamphlet alluded to bears the title "Proof of the Pudding."

PATENTS GRANTED.

- 1,113,350. Plant Pot. Jesse Erskine Inman, Salt Lake City, Utah.
- 1,113,485. Plant Protector. John W. Resh, St. Henry, Ohio.
- 1,113,563. Cultivator. Tice C. Kevitt, Paterson, N. J.
- 1,113,944. Cutter for Mowers, Reapers, Harvesters and the like. James L. Auble, Cincinnati, Ohio.
- 1,113,984. Lawn-Edging Tool. William W. Glass, Long Beach, Cal.

INDUCEMENT TO START NOW.

Every new subscriber who sends \$1.00 for the fifty-two issues of HORTICULTURE for 1915 will receive free all the issues for the remaining weeks of 1914.

There are a good many people who would get angry if called thieves, who are persistently robbing themselves.

Southern Merchant.

Lil. Longiflorum Multiflorum

	Bulbs in Each Case	Per 100	Per 1000
6-8 inch.....	400	\$4.00	\$33.50
7-9 inch.....	300	5.75	50.00
8-10 inch.....	225	8.25	75.00

Lil. Longiflorum Giganteum

	Bulbs in Each Case	Per 100	Per 1000
6-8 inch.....	400	\$4.00	\$36.00
7-9 inch.....	300	5.75	52.50
8-10 inch.....	225	9.25	85.00
9-10 inch.....	200	10.50	95.00

Also all other Bulbs, Seeds and Supplies for the Florist.

Send for our New Wholesale Catalogue and Price List if you haven't received a copy. It's free for the asking.

Henry F. Michell, 518 Market Street, PHILADELPHIA, PA.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
168 Chamber of Commerce Bldg.
Boston, Mass.

THE BUGS ARE BUSY

NICO FUME LIQUID and PAPER

Prepaid to Your Door

1 Gal. Can....	\$10.50	1/2 Gal. Can....	\$5.50
288 Sheets Paper.....			7.50
111 Sheets Paper.....			4.00

ROMAN J. IRWIN, 71 West 23rd St. NEW YORK

NEW CORPORATIONS.

Houston, Tex.—Waxahachie Nursery Co., increasing capital stock from \$20,000 to \$30,000.

New Rochelle, N. Y.—Wade Nursery Co., capital stock, \$2,500. Incorporators, Thomas J. and Susanna Wade and Joseph Taylor.

Owensboro, Ky.—Troutman Implement & Seed Co., capital stock, \$15,000. Incorporators, J. E. Troutman, C. S. Price and T. J. Lee.

Rockford, Ill.—Chas. J. Cherry & Co., to deal in plants, bulbs, seeds, etc., capital stock, \$15,000. Incorporators, Charles J. Cherry, Laverne C. Miller and A. Emmett Hickey.

YOU CAN'T GO WRONG ON A RED DEVIL GLASS CUTTER



No. 623

Try one out, and you will always use one. Sample of No. 623 with ball-head for tapping glass sent postpaid for five 2c. stamps.

SMITH & HEMENWAY CO.

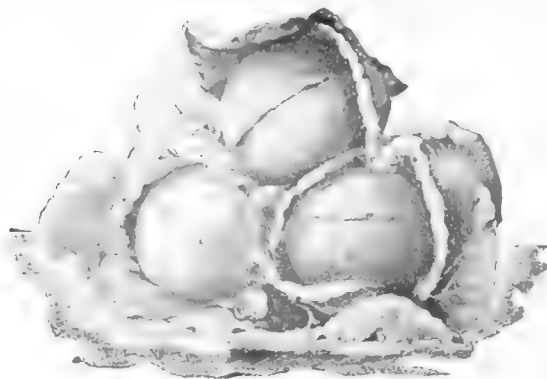
181 Chambers Street, New York

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
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PEAS, BEANS, RADISH } Growers for the Trade
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Lowest Prices
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Single Tulips, superfine mixd.	.75	6.00
Double " " "	.80	6.75

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"Renowned Sweet Pea Specialists"

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BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
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At 69 cents per lb.

F. O. B. TENERIFFE, packing extra.

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FOR ONION SETS

Several small growers in Teneriffe have given me the commission to offer and clear their surplus stock of 1914 onion seed at the above low price, subject to being unsold. Terms C.O.D. Cable orders to FEDERICO VARELA, TENERIFFE, and sign your full name. THIS OFFER IS OPEN TO SEEDSMEN ONLY.

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BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

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Lompoc, Cal.

J. W. Edmondson, Mgr.

M. W. Williams, Sec'y

California Seed Growers
Association, Inc.

Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

New Crop Seeds

FOR FLORISTS AND MARKET
GARDENERS.

SALVIA—Splendens, Bonfire.

ASTERS—All varieties.

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Send list of wants.

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97th YEAR

J. BOLGIANO & SON

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Onion Sets, Seed Potatoes

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

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A. WARENDORFF

Artistic Work. Reasonable Prices.
Prompt Delivery of Steamer Orders.
1193 Broadway, My Only Store

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"FLOWERS BY TELEGRAPH"

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

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FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New York cities and towns.

Palmer's

304 Main Street

BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

When writing to advertisers kindly
mention HORTICULTURE.

Of Interest to Retail Florists**THE RETAILER'S BUSINESS CALENDAR.**

Oct. 31. Sat. Forget everything to-day but selling flowers and pleasing customers. Have something fresh and novel to show patrons and sustain their interest in the store.

Nov. 1. Sun. Get through with your orders as soon as possible. Prevent moisture from settling on the glass by allowing a little ventilation at the top of the windows.

Nov. 2. Mon. Forget about last week and start this week "on the scratch" with a smile on your face. Don't antagonize any customers. Remember, "Honey catches more flies than vinegar." Keep plenty of stock on hand; too many flowers is better than not enough, as their display is an advertisement.

Nov. 3. Tues. Figure out ways to place more responsibility on each clerk. Nothing develops one's muscles like hard work and nothing so rapidly broadens a man as responsibility. Unpack flowers from the market as soon as possible. Clean up before customers begin to come in the morning.

Nov. 4. Wed. You ought to feel fine today. Nothing to do but sell flowers. Create an artistic and brilliantly effective window decoration—one of those arrangements that calls for a police squad to keep the crowds from obstructing the sidewalk in front of your store. Use mirrors as much as possible in window decorations. Don't crowd the display space.

Nov. 5. Thurs. Don't talk war—you'll get it if you don't talk business. Don't display too much autumn foliage; it looks as if that is all you have to sell. Think hard about the big holiday sales in prospect. That's the idea—smile!

Nov. 6. Fri. You have already mailed your statements, but what have you done to pay your bills? Sit down and figure how many mistakes you made this week.

Nov. 7. Sat. Look through your HORTICULTURE and realize how progressive other florists are. It won't do any good to regret the business lost before you started to advertise in HORTICULTURE, the national florist weekly.

NEWS NOTES.

Milburn, N. J.—George W. Brand, of East Orange, has purchased the old George Clark place, comprising three greenhouses, office and dwelling.

New York—The Duke of Manchester has been declared a judgment debtor for \$492 to Thomas F. Galvin in the Sixth Municipal Court, and an execution has been served on the Duke. Witnesses testified that the Duke bought \$725 worth of flowers and tendered a \$250 check in part payment. The balance remained due. The Duke made no defense.

Don't gain the impression that there is anything commendable about business suicide. —Southern Merchant

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

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Telephones 1501 and L 1532

1415 Farnum St.,

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Will take good care of your orders

Members of F. T. D. Association.

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Cor. Michigan Ave. and 31st St.,

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Member Florists' Telegraph Delivery Asso.
We ship to all points in Illinois and Iowa.

Phones Aldine 880 Aldine 881 Aldine 882.

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All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2r8g
Members Florists Telegraph Delivery

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The largest cut flower store in America.
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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BOSTON 126 Tremont Street
799 Boylston Street
Deliveries to Steamers and all Eastern Ports


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GUDE'S
Member Florists'
Telegraph
Delivery.

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F. H. KRAMER
Auto delivery of Designs and Flowers to
any address in Washington.
Stock and Work First Class

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ALBANY, N. Y.
EYRES
Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
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FRED C. WEBER
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Delivered on mail or telegraph order for
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MONTREAL All Transfer
Orders Filled
HALL & ROBINSON Under Per-
sonal Supervi-
sion
825 ST. CATHERINE ST., W.

F. R. PIERSON CO.
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PLANTSMEN
TARRYTOWN ON HUDSON, - N. Y.
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Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
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to any of the firms whose address is
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Albany, N. Y.—The Rosery, 23 Steuben St.
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Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George Asmus, Mgr.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.
Cleveland, Ohio—Adam Graham & Sons, 5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Montreal, Can.—Hall & Robinson, 825 St. Catherine St., W.
Montreal, Can.—P. McKenna & Sons, 770 St. Catherine St., West.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St. and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth Ave.
New York—Thos. F. Galvin, Fifth Ave., at 46th St.
New York—A. Warendorff, 1193 Broadway.
New York—J. H. Small & Sons, 1153 Broadway and Waldorf-Astoria.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
St. Paul, Minn.—L. L. May & Co.
Stamford, Conn.—"Quality Shop;" Stamford Seed & Nursery Co.
Tarrytown-on Hudson, N. Y.—F. R. Pierson Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Washington, D. C.—F. H. Kramer, 915 F St., N. W.
Washington, D. C.—J. H. Small & Sons, cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop, 3 Pleasant St.

NEWS NOTES.

Waltham, Mass.—Two new stores are being opened here this week, one by Henry Talbot and the other under the name of The Rosary.

Plainfield, N. J.—Smith & Hoff, Somerset street, have dissolved partnership. James Smith will continue the business, both wholesale and retail.

Malden, Mass.—Fred R. Kaulback and two Italian laborers were painfully injured last Monday when Kaulback's automobile backed into a street excavation in front of his store in Malden. Kaulback started to back his machine away from the hole where the two laborers were at work. The wheels skidded on the pavement and backed down into the hole. Epi Top and Vito Muzzo, the two laborers, were pinned at the bottom of the excavation. Kaulback remained at the wheel. All received cuts and bruises.

ORDERS FOR

NEW YORK
WIRE OR PHONE TO:
MAX SCHLING
22 West 59th Street, adjoining Plaza Hotel
Best Florists in the States as References
EUROPEAN ORDERS EXECUTED
Members of the Florists' Telegraph Delivery.

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STORES IN
New London and Norwich, Conn.
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We cover the territory between
New Haven and Providence

Transfer your orders for flower or
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ZINN The Florist
1 Park St., Boston

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The Leading Florists'
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Will take care of all your orders for de-
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Euclid Avenue

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Catalogue Free on Application

Order Your Flowers for delivery
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LEADING FLORISTS OF THE NORTHWEST

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440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.
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HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.
Member Florists' Telegraph Delivery Association

NEWS ITEMS FROM EVERYWHERE

BOSTON.

At the Rosary, business is reported very good, especially that of window plants and boxes. The sale of pot chrysanthemums for house decorations shows marked increase this season.

At the opening of the Roxbury branch of the Houghton & Dutton department store several hundred dollars' worth of floral designs were presented by the newspapers and friends of the firm.

T. F. Perkins of Reading is a recent addition to the list of growers shipping flowers to the Boston Co-operative Market. Mr. Perkins was formerly connected with the West Street Greenhouses of Reading.

Pampas grass, anthuriums and yellow chrysanthemums combined to make a very pleasing window display at the store of Thomas J. Clark. Mr. Clark states that the freakish-looking anthurium is a prime favorite with his customers.

Wax Bros. make a rule of completely changing their window display three times each week. This they find to be so effective an advertisement that with each change they receive a fresh influx of transient trade. An especially rich and appropriate piece of work seen at their store this week was a casket cover of carnations with a large cross of cattleyas at one end.

A tastefully decorated window was noted at the store of J. W. Rogers on Summer Street. The display consisted of red-tinted oak leaves and yellow chrysanthemums essentially different from the usual autumn display. The majority of windows so far seen show an excessive use of foliage, whole sheaves of it, in fact. Too much fall foliage would seem to suggest a scarcity of other stock.

Chrysanthemums are rapidly appropriating the center of the stage in the wholesale markets. Already Major Bonaffon—usually much later in appearing—is in the van and the Budlong Rose Company are duly elated at being the first to show it. This firm counts Chas. Razar as one of the best market whites. Chieftain as grown by C. S. Andem of Putnam, Conn., has rapidly attained popularity with the buyers this season and among the pompons that sell well is Charles Kingsley which is a specialty with J. K. Chandler & Son of Tewksbury. Newport, R. I., is also taking a try at the Boston outlet, William Jurgens being in with a vigorous line of yellow pompons.

KNOXVILLE, TENN.

Karl P. Baum, manager for Chas. L. Baum has been on the sick list, but is better now and able to get back to business again.

Bruce Howell was doing something about the engine of his new auto truck when his hand was caught in the fan and badly disfigured. He is again able to make use of it.

Chas. L. Baum reports making several wholesale shipments, but nothing like enough to take up the surplus; however, regular shipments to points in the south, will soon consume his entire output.

On Friday the Girls' Cottillion Club gave a Cotton Ball using cotton balls for boutonnieres for their gentlemen escorts, which was quite a novel feature; Crouch furnished numerous corsage bouquets for this occasion.

The Knoxville Florists' Society through a committee has set aside Saturday and Sunday, November 7th and 8th as Chrysanthemum Day, and it will be observed by all the cemeteries in and about Knoxville. This day will be advertised through the local papers in a co-operative way, as it is found that better results are obtained by this mode of advertising.

SAN FRANCISCO.

Peter Perkins has just opened a new flower shop at Visalia, Cal.

The Sies Floral Company of San Diego has been holding a reception and flower show at its gardens in East San Diego for the last week.

Construction work in Joseph's new flower shop on Grant avenue is rapidly nearing completion, and will be ready for business soon after the end of the month.

Neal Childs, who was formerly in the U. S. Forestry service in this state and more recently engaged in educational work in a similar line in the east, is starting business as a landscape engineer in Oakland, making his headquarters at a new flower shop at Fifteenth and Clay streets.

M. H. Ebel of Sacramento was a visitor in San Francisco this week, and made a motor trip to the Palo Alto show, in company with Daniel MacRorie. On his visit to San Diego last week, Mr. MacRorie enlisted hearty support among the southern florists and attending nurserymen for the S. A. F. convention to be held next year in this city.

G. Rossi, has returned from his vacation and is getting ready for the busy season. His company has just finished the construction of three new greenhouses at Ocean View, this city, and will shortly start work on another and larger one. This firm is now handling quite a lot of madrone berries, and looks for a liberal supply of red berries by Thanksgiving.

Practically every florist and grower of the San Francisco Bay district who can get away is making the trip to Palo Alto for the flower show conducted under the auspices of the Menlo Park Horticultural Society. Some of the finest flowers in the state are grown in that district, and an unusually large and fine exhibit is expected. Several of the San Francisco people went down for the opening.

The annual convention of the California Association of Nurserymen at San Diego last week was quite a successful and well-attended affair. Many interesting talks were given by leading nurserymen from all parts of the state. One of the best entertainment features was the visit to the Panama-California Exposition, the landscape work of which is practically complete. This trip was made by over 100 of the visitors. The affair closed with a banquet at the U. S. Grant Hotel. Fred H. Howard was elected president for the ensuing year.

WASHINGTON.

Charles Scarborough is expected back from his father's farm in New Jersey to accept a position at the store of Gude Bros. Co. Edward Wilson has also returned to business.

The next regular meeting of the Florists' Club of Washington will be held on Tuesday evening, November 3. This promises to be a very interesting affair and it is the desire of President Cooke that the attendance be large.

The 14th annual chrysanthemum show of the Department of Agriculture opened on Thursday, October 29, with about 1800 plants on exhibition, at the Government Gardens. The display will continue for eight days, open from 9 A. M. to 9 P. M. daily, including Sunday.

Fred H. Kramer, florist, 916 F street, Northwest, and T. A. Lucas, landscape gardener, are prominently mentioned in the report of Maurice Otterback, of the Anacostia Citizens' Association, in connection with the making a success of the town garden at Anacostia.

O. A. C. Oehmler last Wednesday donated a quantity of roses which were sold at his store by the members of the company of players now appearing at Poli's Theatre. The ladies acted as salesgirls, while the men wrapped up the bundles, etc. The proceeds were turned in to the Red Cross war relief fund.

A "bargain counter" is an innovation at the Washington Florists' Company's store, considerable space at the front of that establishment being devoted to the sale of flowers in season at tempting prices. The counter is built somewhat in arbor shape, having a roof made of oak leaves and branches, and ferns and palms are used to mask the sides. A rustic lamp is hung in the center and around the edge of the roof, on the inside, are hidden electric lights.

Just before Congress adjourned, the Committee on the District of Columbia made a favorable report to the House of Representatives on the Dent bill designed to prevent fraudulent advertising in the District of Columbia. The bill provides that advertisements containing any assertion, representation or statement of fact which is willfully untrue, shall be a misdemeanor, punishable by a fine of not more than

CHICAGO
And Neighboring Towns
 Are Thoroughly Covered by
SCHILLER, THE FLORIST
 (Member Florists Telegraph Delivery)
 Flowergram or Mail Orders from Florists
 anywhere carefully filled and delivered
 under the supervision of
GEORGE ASMUS, Mgr.
 2221-2223 W. Madison St., CHICAGO.
 Phone West 822

\$500 or imprisonment for not more than six months, one or both.

"There is no reason why the florists of Washington should not have a very good season, regardless of the present condition of business and the fact that there will probably be no formal social functions at the White House this winter," said a well known retailer to the HORTICULTURE correspondent. "Those of the caterers who handle the larger social affairs state that they are daily receiving requests for bids on large jobs, and these may be taken as forerunners of additional business for the florists. Then again, with Europe in such an unsettled state, the many Washingtonians who usually go abroad during the cold months will probably retain their residence here during the entire season. With all of these things in mind, I cannot possibly see that business will remain so quiet and there is no doubt but that other cities will benefit in a like manner."

CHICAGO.

Mr. and Mrs. H. C. Wullbrandt are in Georgia, looking after the harvesting of their crop of pecans.

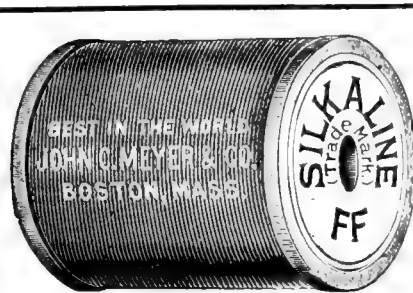
Indianapolis bids fair to be a rallying place for florists of the middle west, Nov. 6-8. With the big flower show, which will in itself be a great attraction, comes the joint meeting of the State Florists' Associations of Illinois and Indiana. Chicago and vicinity will be well represented both in attendance and exhibits.

The disappearance of the window boxes in the business district show not only that the summer is over, but also that the softening and beautifying effect on the streets bordered by high buildings was no small matter. The window-box movement in the loop was started two years ago and this summer it reached large proportions, running into miles.

The wish of the florists is at last fulfilled. Jack Frost came on the night of Oct. 26 and he did not go tiptoeing around but jumped into the game with both feet. The thermometer dropped to 20 degrees and every flower and vine is gone. From summer to winter in a single day with a snow storm thrown in is the 1914 record. The florist who is not happy now has made a mistake in locating the cause of his troubles.

John Poehlmann finds the Mrs. Russell rose to be all that they had expected and more. To see the daily cut at that store would convince anyone that Mr. Poehlmann was fully justified in his high opinion of the Mrs. Russell, which brings 20c. each for the 36-inch stock this month and has fallen below that only a few times this summer. Mr. Poehlmann says also, that the Hadley and Mrs. Sawyer are doing well, and may prove to be equally valuable later on. They have not bloomed, however, as has the Mrs. Russell.

F. Oechslin's greenhouses present a very busy scene at present. The recent arrival of three car loads of azaleas and several smaller shipments means work in potting up. The large quantity of tulips, narcissi and hyacinths are going into the pots and pans and the large bulb house, 22x115



THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing advertisers kindly mention HORTICULTURE.

BE SURE that you get the MEYER GREEN SILKALINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKALINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKALINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

feet, is rapidly filling up. A large number of cyclamen are coming into bloom and all are of named varieties. In pot chrysanthemums only standard varieties are grown and of these one-half are pompons. The new begonia, Florence Davenport, is showing up well, being nicely covered with buds, well above the foliage.

Ernest Oechslin was severely injured Oct. 23, when his auto truck collided with a street car, and he is in a critical condition at the Washington Park Hospital. The driver was running the machine south, just behind a street car, which made a quick stop at a crossing. The machine, for some reason, could not be stopped and the driver turned to the left to avoid running down passengers from the car, and met a north bound car. Mr. Oechslin was thrown through the wind shield to the curb and has since regained consciousness only at brief intervals. The driver was also injured, but not so seriously. Mr. Oechslin was the victim of an accidental shooting about four years ago, from which he has only lately recovered. His greenhouses are at Madison street and Gale avenue, in River Forest, and had extensive additions last year. Mr. Oechslin has a wife and three small children and their many friends hope for his speedy recovery.

VISITORS' REGISTER.

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Ed. Jansen, N. Y.; Stanley Cogger, representing C. Keur & Sons, Holland.

New York—G. Wermig, Egley Nurseries, Woking, Surrey, Eng.; H. P. Knoble, Cleveland, O.; J. F. Sullivan, Detroit, Mich.; Paul Berkowitz, H. Bayersdorfer & Co., Philadelphia; James W. Wade, of the Lemud Ball estate, Wissinoming, Pa.

Washington—Milton Alexander, of Lion & Co., New York, N. Y.; Charles L. Dole and Mrs. Dole, Lockport, N. Y.; Charles H. Totty, Madison, N. J.; C. L. Robey, Purcellville, Va.; and Sidney Bayersdorfer, of H. Bayersdorfer & Co., Charles D. Ball and Mrs. M. Rice, all of Philadelphia.

Cincinnati—E. E. Schaefer, of the Advance Floral Co., Dayton, O.; Mr. and Mrs. W. T. Phillips, Toledo, O.; Chas. P. Brunner, Springfield, O.; Frank S. Miller, Columbus, O.; Julius Dillhoff, representing Schloss Bros., New York City; Jos. Hill, Richmond, Ind.; Henry A. Mollers, representing The American Foil Co., New York City.

Chicago—Albert Pittet of Riverside Greenhouse, Indianapolis, Ind.; H. Bookedis, Claypool Hotel Florist, Indianapolis, Ind.; O. Triebwasser, of The Calvert Floral Co., Lake Forest, Ill.; J. V. Wickler and daughter, Galena, Ill.; John C. Ellspermann, Evansville, Ind.; Mr. Steiner, of R. R. Davis Co., Morrison, Ill.; A. T. Ferrell, Saginaw, Mich.; Louis Hartung, Two Rivers, Wis.; J. T. Fitchett, Janesville, Wis.; Charles Pahnd, Indianapolis, Ind.

A lot of things make your business unprofitable. A careless credit system is not the least of them.

KOMADA BROS.

Manufacturers of all kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

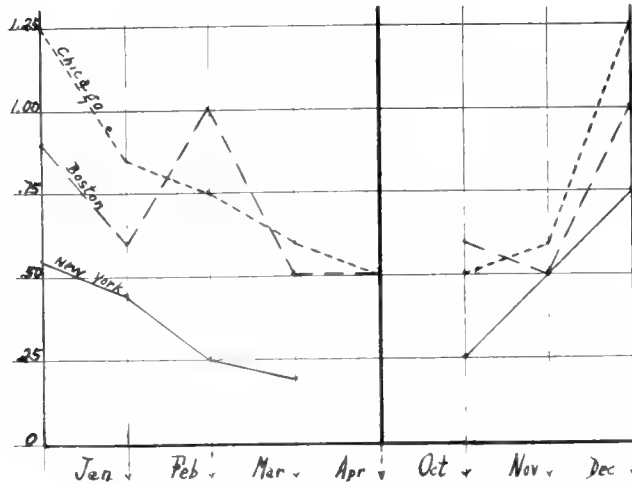
THE Florists' Supply House of America

H. BAYERSDORFER & CO.

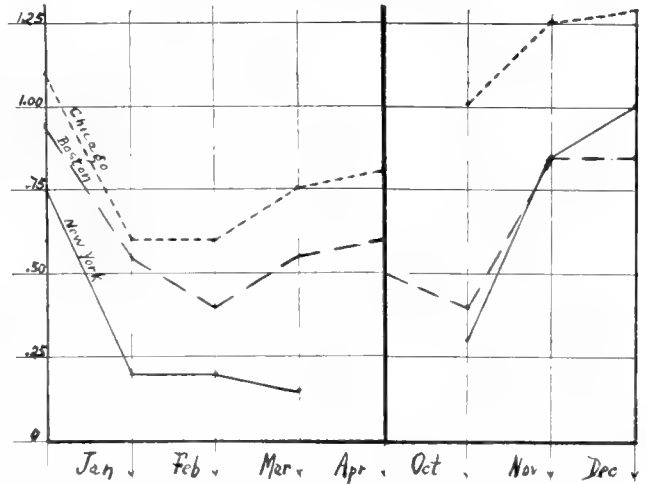
1129 Arch St., Philadelphia, Pa.

DIAGRAMS SHOWING FLOWER MARKET FLUCTUATIONS FOR TWO YEARS.

1912—Violets per 100—Singles.



1913—Violets per 100—Singles.



Growers of roses, carnations and violets will be interested in the diagrams herewith presented, showing in tabulated form the mean wholesale market prices for these specialties as quoted from week to week in the four trade journals for the years 1912 and

1913, in Boston, New York and Chicago. The fluctuations as shown in these three markets, while exceedingly erratic at times, seem to maintain a fairly regular relationship to each other as a whole. We think there are in this concise, comparative summary of two years' trade many points which

will be quickly discerned by the studious grower, from which valuable deductions may be drawn. Should it thus impress our readers and prove as useful as *HORTICULTURE* hopes, we shall make of it an annual feature, perhaps including other markets and other important crops.

BOSTON FLOWER EXCHANGE.

The Boston Flower Exchange Corporation had its annual meeting and dinner at Young's Hotel on Saturday evening, October 24. About 125 stockholders, salesmen and invited guests were present and enjoyed to the fullest extent an elegantly served banquet, over which President Stickel presided with an easy grace, part inborn and part acquired by oft repeated experience. Business followed the banquet. The treasurer's report duly audited showed a very auspicious financial condition, total receipts \$20,827.17, running expenses \$19,313.88 for the year. The statement of condition shows a net gain of \$9,729.19 for the period 1910-14. The regular slate for board of directors, nine names, was added to by a number of direct nominations, but when the ballots had been counted the regulars were all found to be elected by overwhelming majorities. During the long counting of the ballots there was some speaking, singing and plenty of music by the orchestra. Wm. J. Stewart was first called upon as the "dean of the horticultural press." He urged loyalty to the horticultural prestige of Boston and New England and complimented the members on the hopeful spirit which seemed to permeate this occasion, although coming at a time when more or less talk of bad times is rife. W. N. Craig being next called upon, said that the outlook was not exactly encouraging; that increased production and diminished purchasing present a disquieting problem and bring to the front the necessity of finding a way to increase public distribution. Wallace R. Pierson made optimistic remarks and told some stories from the New Brunswick hunting country from whence he had just returned. W. H. Elliott predicted more and more flowers in the Boston market and at lower prices. He deprecated the reluctance of the retailers generally to encourage a more elastic

outlet. Charles Robinson declared business to be as good as it was at the same period last year. The credit system as prevailing in the wholesale flower markets was vigorously scored by Mr. Cummings. He contended that it should be abolished entirely and the cash system followed as in the wholesale vegetable market. Then followed an animated discussion participated in by Messrs. Elliott, Pierson, Cummings, Donohoe and others in which the unwise conditions were acknowledged but the adoption of cash settlements was pronounced impracticable by all except Mr. Cummings. Natham Lenard sang two songs very acceptably. A rising vote of thanks was extended to Messrs. Alex. Montgomery and Wm. Nicholson, for their long service as directors, from which they had now voluntarily retired. Auld Lang Syne in chorus closed this very enjoyable reunion.

WINDOW ADVERTISING.

The majority of retail florists do not begin to make enough use of their windows. Some of them might just as well be doing business in one of the upper stories of their buildings.

Suppose you pay \$4,000 rent for the store on the street floor. You could probably hire the whole second story for \$1,000. That means that you are paying \$3,000 for your show windows. Do you make them earn that much?

The man who never changes the text of his advertisements merely pays for a sign, just such a sign as he uses above his windows to let people know that he is in the business of selling flowers. Advertisements in order to pull trade and results, must tell a story and tell it convincingly and differently with every insertion. Otherwise the ad. is just a sign of existence.

So it is with a window display. Get people into the habit of looking for

your decorations. The florist who changes his windows twice or three times a week stimulates and renews public interest in his establishment that many times each week.

We have in mind one florist who has had the same character of window display for the last two years. It was effective once, but now people who pass by the store no longer look into the window for some thing new or interesting. They now know that the same stock in the same old way will be shown and consequently—no stimulation of interest and desire to buy. The public does not like to be told the same monotonous tale in the same old way. Give them something new or at the very least tell about or show the same thing in a new way.

The opportunities in window advertising are manifold. Think of your window as a personal affair. Make it alive. Make it tell things to the passerby. Make it a subject of comment. Good advertising is a good investment, and the best advertisement in all the world is the wagging tongue of the satisfied customer or interested observer.

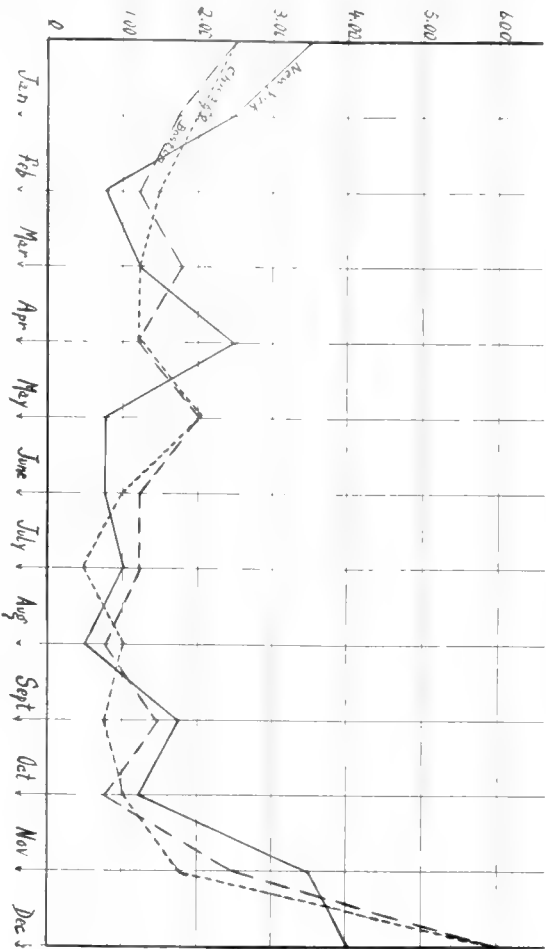
A new defender of the pheasant, which is being slaughtered throughout the state of Massachusetts, has come to the front in the person of Joseph H. Mosher, superintendent of the state hatcheries at Wilbraham. Mr. Mosher says:

"Beetles, grub worms, all crop-destroying insects fall victim to the pheasant. It is, indeed, too bad that someone cannot stop their slaughter, as the majority of people do not know even one-half of their benefit to humanity. When I lived in Winchester, at a time when the gypsy moth was destroying trees and working havoc in the town, I let loose a flock of pheasants in the pest-ridden area. Within a few months every gypsy moth had disappeared. The pheasants had eaten them all."

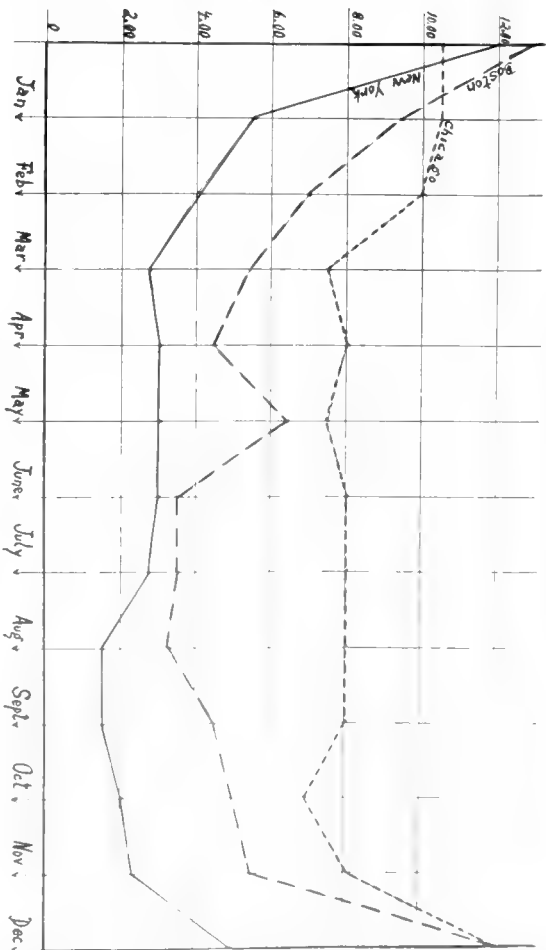
—Boston Traveler.

DIAGRAMS SHOWING FLOWER MARKET FLUCTUATIONS FOR TWO YEARS.

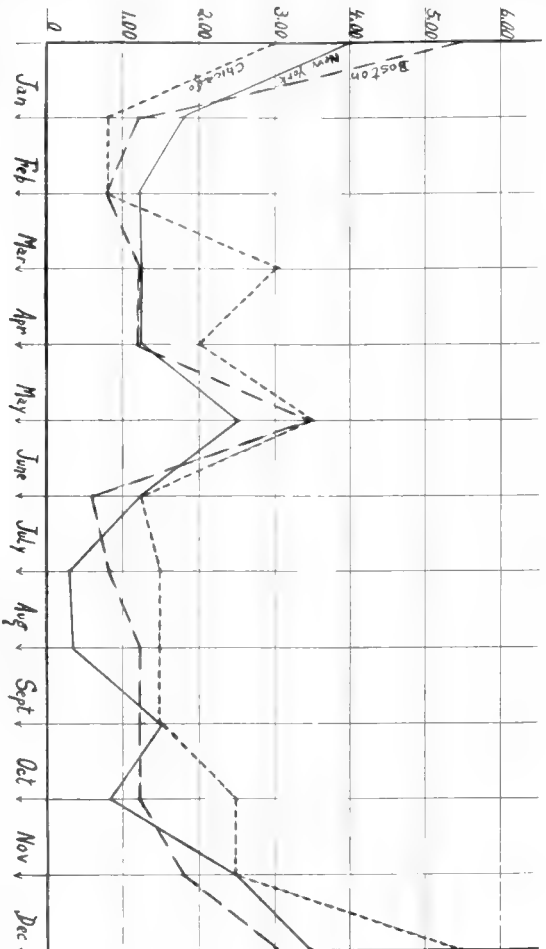
1912—Carnations per 100—Standard Variety.



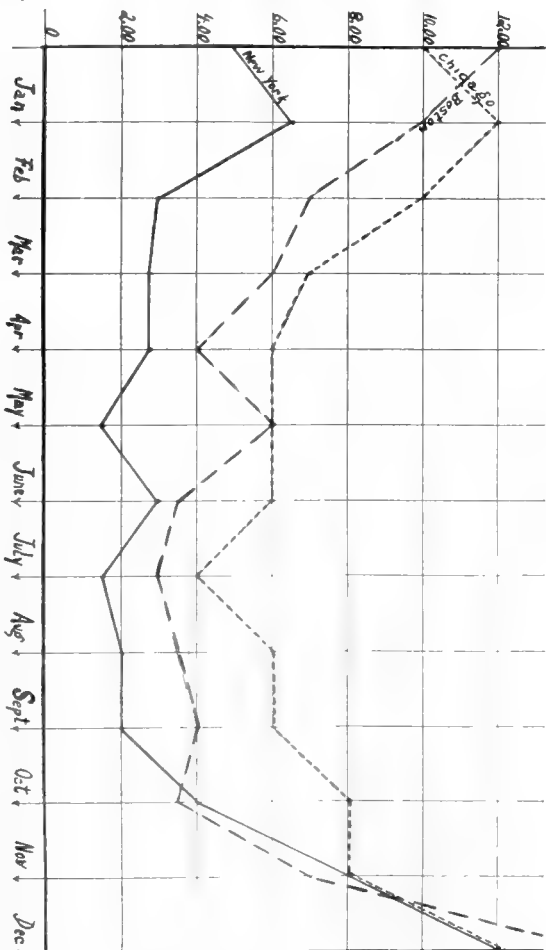
1912—Roses per 100—Killarney.



1913—Carnations per 100—Standard Variety.



1913—Roses per 100—Killarney.



BOXWOOD

\$7.50 per 50 pound crate

No unnecessary wood, no waste. Place your order now. Delivery December 1st.

THE LEO NIESSEN CO.

Wholesale Florists

12th and Race Streets, PHILADELPHIA, PA.
Branches: Baltimore and Washington

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

68 PEARL ST. BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 26		CHICAGO Oct. 26		BUFFALO Oct. 26		PITTSBURG Oct. 26	
Roses								
Am. Beauty, Special.....	20.00	to 30.00	20.00	to 25.00	20.00	to 25.00	18.00	to 25.00
" Fancy and Extra.....	.....	.....	15.00	to 20.00	15.00	to 20.00	10.00	to 15.00
" No. 1.....	10.00	to 15.00	5.00	to 10.00	8.00	to 10.00	6.00	to 8.00
Killarney, Richmond, Extra.....	4.00	to 6.00	6.00	to 10.00	6.00	to 7.00	6.00	to 8.00
" Ordinary.....	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	6.00	to 10.00	6.00	to 7.00	6.00	to 8.00
" Ordinary.....	2.00	to 3.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Maryland, Shawyer, Taft, Extra.....	4.00	to 6.00	6.00	to 10.00	6.00	to 7.00	6.00	to 10.00
" Ordinary.....	2.00	to 3.00	3.00	to 5.00	3.00	to 4.00	.....	to 4.00
Russell, Hadley, Ophelia.....	.....	.....	5.00	to 8.00	5.00	to 7.00	6.00	to 18.00
Carnations, Fancy.....	.....	to 2.00	1.50	to 2.50	2.00	to 2.50	2.00	to 3.00
" Ordinary.....	.....	to 1.50	1.00	to 1.50	1.00	to 1.50	.....	to 1.00
Cattleyas.....	40.00	to 50.00	40.00	to 60.00	.....	.....	30.00	to 60.00
Lilies, Longiflorum.....	.....	to 10.00	6.00	to 10.00	7.00	to 10.00	.....	to 10.00
Lily of the Valley.....	4.00	to 5.00	3.00	to 4.00	.....	.....	3.00	to 5.00
Violets.....	.....	to .50	.50	to 1.00	.40	to .60	.25	to .50
Corn Flower.....	.....	to .50	.....	.....	.20	to .50	.....	.....
Chrysanthemums.....	4.00	to 20.00	10.00	to 25.00	5.00	to 20.00	6.00	to 20.00
Dahlias.....	.....	.....	.....	.....	.....	.....	1.00	to 5.00
Sweet Peas.....	.....	.....	.....	.....	.50	to .75	.....	.....
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	to 12.50	12.00	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	20.00	to 25.00	40.00	to 50.00	40.00	to 60.00	35.00	to 50.00
" & Spren. (100 bchs.)	80.00	to 25.00	25.00	to 40.00	35.00	to 35.00	35.00	to 50.00

WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantsmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID

WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

Flower Market Reports

BOSTON The market is still in a slump. All kinds of stock are hanging fire with no buyers offering to move them. The retailers are making continual complaints of poor business and thus are very reluctant about helping to move the over-abundant crops in the hands of the wholesalers. The weather is getting a little colder, but the demand is not increasing. The quality generally, in all sorts, is very good. The early varieties of chrysanthemums are "petering out" and are being rapidly replaced by the mid-season kinds, which, although of fine quality, cannot procure the prices they deserve. We can hope for a stirring up of the market with colder weather and an increase in social activities.

The receipts are still heavy in all lines. Chrysanthemums of the late varieties are coming in and some choice Halliday, Chrysolora and Caprice, have sold quite satisfactorily. The early varieties are about over. There are also some good pompons and these have sold satisfactorily. Roses continue plentiful and there is an exceptional lot of carnations in the market which do not sell as fast as they should. Violets are improving daily and lily of the valley and orchids are here in quantity.

CHICAGO October is keeping up its record of light business and trade in general continues slow. Now that a frost has put an end to outdoor flowers, an impetus will undoubtedly be given to the sale of indoor stock, and will find the florists ready to take advantage of it. The rather sudden shortening up of the rose crop, which had been on for many weeks, made quite a change in the attitude of the buyer who must pay the price if he would have the stock. Chrysanthemums are more and more in evidence each week and the supply is very large. Every size and color are here to appeal to customers and it is not to be expected that all will be disposed of to advantage. Carnations are having a larger part in the sales as roses become scarce. The warm weather has not made them of as good substance as might be desired and the chrysanthemums have been formidable rivals. The violet sales will be more steady with the cooler weather and lily of the valley is expected to be more in demand. The sales of the latter however have been fair during the month.

Almost everything in the market continues in a large supply. **CINCINNATI** The outdoor flowers are about over for



KILLARNEY BRILLIANT

This new Rose is very fine indeed at present—magnificent in coloring and perfect in form and finish. Deep brilliant pink, heavy buds, splendid foliage and long stems.

Special	\$8.00 per 100
Extra	6.00 " "
First	5.00 " "
Second	3.00 " "

EVERYTHING IN RIBBONS AND FLORISTS SUPPLIES

Send for Our Catalogue.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N.W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Oct. 29		ST. LOUIS Oct. 26		PHILA. Oct. 19	
Roses						
Am. Beauty, Special	8.00	to 12.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	5.00	to 8.00	10.00	to 15.00	8.00	to 12.50
" " No. 1	1.00	to 3.00	5.00	to 8.00	3.00	to 6.00
Killarney, Richmond, Extra	2.00	to 4.00	1.00	to 2.00	4.00	to 6.00
" " Ordinary .....	.50	to 2.00	4.00	to 6.00	4.00	to 8.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 4.00	2.00	to 3.00	1.00	to 3.00
" " Ordinary .....	.50	to 2.00	2.00	to 3.00	4.00	to 8.00
Maryland, Shawyer, Taft, Extra	2.00	to 5.00	4.00	to 5.00	1.00	to 3.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 3.00
Russell, Hadley, Ophelia	1.00	to 6.00	4.00	to 5.00	2.00	to 12.00
Carnations, Fancy	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00
" " Ordinary .....	.50	to 1.00	1.00	to 1.50	1.00	to 1.50
Cattleyas	25.00	to 35.00	40.00	to 50.00	20.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets .....	.25	to .50	.20	to .25	.25	to .50
Corn Flower .....	.25	to .50	.....	to .25	.30	to .40
Chrysanthemums	2.00	to 8.00	10.00	to 20.00	2.00	to 20.00
Dahlias .....	.....	to 4.00	1.00	to 4.00	1.00	to 3.00
Sweet Peas .....	.40	to .60	.50	to .75	.....	to 1.00
Gardenias	20.00	to 25.00	.....	to 1.25	12.00	to 25.00
Adiantum .....	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	4.00	to 10.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings '100'	25.00	to 40.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	15.00	to 25.00	15.00	to 25.00	35.00	to 50.00

the season, but chrysanthemums are coming in good and strong and are making up for any deficiency caused by the end of the dahlia and cosmos season and are keeping up the crowded condition of the market. Business last week was somewhat quiet but shipping business is good. The rose supply is as large as during the past several weeks and is meeting with the same indifferent demand. Carnations are more plentiful each week, but as yet do not enjoy a real active, steady demand. Lilies have no especial call. Lily of the valley sells pretty well, but orchids have a rather indifferent market. Greens of all kinds are plentiful. New boxwood and new "Mexican ivy" were added to the list last week.

KNOXVILLE, TENN.

The weather here is still very warm, which is rather against the flowers as out-of-door flowers are still plentiful, and the demand for greenhouse flowers is not as great as it might be under more favorable conditions. Flowers of all kinds are plentiful; especially chrysanthemums, which are very

fine. Dahlias are still blooming, but it seems that chrysanthemums have taken their place, as there is not much demand for them.

NEW YORK

The wholesale market this week, if anything, is not quite so good. Chrysanthemums are very much more in evidence, especially yellow varieties, and the finest blooms are being sold for as low as \$8 per 100 in large lots. If there are any in better demand it is for the white and pink varieties. The American Beauty market is in bad shape and cattleyas are hanging fire at very low figures. Lilies are suffering severely and prices have declined to a point as low as has been reached heretofore. The prices shown in our quotation tables do not show the situation as it really is. The amount of material accumulating from day to day and finally lost completely is and has been very large. Sweet peas are beginning to show up in the stock of most wholesalers. The frosty snap in the middle of the present week has cut off most of the outdoor stuff for this season.

(Continued on page 635)

H. E. FROMENT

Wholesale Commission Florist,
Choice Cut Flowers,
87 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Moore, Hentz & Nash

Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square **New York**

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK

Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

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109 WEST 28th ST
CONSIGNMENTS SOLICITED
PHONE { 608 / 609 / MADISON SQ., NEW YORK

JOHN YOUNG

Wholesale Florist
53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone 7362 Madison Square

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Lanceolates, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorating Evergreens.
Tel. / 1983 / 1985 / Mad St. 119 W. 28 St., New York

REED & KELLER

122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

GEORGE B. HART

WHOLESALE FLORIST
24 Stone St., Rochester, N. Y.

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
—SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US—
Prices Right. Consignments Solicited. Telephone Connection

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 Mad. Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Oct 24 1914		First Half of Week beginning Oct. 26 1914	
American Beauty, Special	10.00	to 12.00	10.00	to 20.00
" " Fancy and Extra	5.00	to 8.00	5.00	to 10.00
" " No. 1	2.00	to 4.00	2.00	to 5.00
Killarney, Richmond, Extra	1.00	to 4.00	2.00	to 4.00
" " Ordinary .....	.50	to 1.00	.50	to 2.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 4.00	2.00	to 4.00
" " Ordinary .....	.50	to 1.00	.50	to 2.00
Maryland, Shawyer, Taft, Extra	1.00	to 4.00	8.00	to 4.00
" " Ordinary .....	.50	to 1.00	.50	to 2.00
Russell, Hadley, Ophelia	2.00	to 8.00	2.00	to 6.00
Carnations, Fancy Grade	1.00	to 2.00	1.00	to 1.50
" " Ordinary .....	.50	to 1.00	.50	to .75

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist
55 and 57 W. 26th Street, - - NEW YORK
Telephone 7062 Madison

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS, 34 West 28th St., New York
Telephones { 1664 / 1665 / Madison Square CONSIGNMENTS SOLICITED

MONTREAL FLORAL EXCHANGE, LTD.

ORGANIZED FOR THE BENEFIT OF THE CANADIAN TRADE.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION.
Home-grown Stock a Specialty. STRICTLY WHOLESALE; NOTHING SOLD
AT RETAIL.
Ample reference furnished as to standing and financial ability of the company.
123 MANSFIELD STREET, MONTREAL, P. Q.

WALTER F. SHERIDAN

Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists
131 West 28th St., New York
Telephones . 796 and 799 Madison Square
Consignments Solicited

Established 1887. Still Going Strong.

J. K. ALLEN

OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
106 WEST 28TH ST., NEW YORK.
Opens 6 A. M. daily.
Telephone, 167 and 4468 Mad. Sq.



Flower Market Reports

(Continued from page 3)

There has been very little change in business conditions. Outdoor stock has been coming in, in large volume and the same low prices prevailed. Dahlias, outdoor chrysanthemums, and cosmos are the principal black beasts of the situation. Indoor chrysanthemums big and little in immense quantity and variety are of course the dominating feature just now and lead the procession. There are some splendid specimens among them—really exhibition blooms. Mrs. Chas. Turner, white, and Chieftain, pink, are two of the extra fine ones seen at Niessen's. Chrysolora is also fine. Cattleyas are in good supply and of fine quality. Dendrobium, oncidium, and cypripedium follow up by way of variety. Bouvardia in its three colors has greatly improved in quality and quantity and at present is cutting some little figure in the market. While the carnations are better, and more of them, the market somehow was not particularly brisk. Not so many roses. The growers seem to be pinching for a better market later on. A few stragglers in the aster army yet to be seen, but we are all ready to kiss them goodbye now.

The market was quite strong last week—not in demand but in quality and quantity. From the demand standpoint the retail business is dull and it seems that it's only funeral work that keeps the store men alive nowadays. Whatever demand there is daily at the wholesale houses is for chrysanthemums which of course is the seasonal flower, but this makes it bad for other stock and especially so for roses and carnations which seem to have but little or no demand and all are on crop. Prices on every thing are low, the only flowers that keep any even prices are lilies and lily of the valley. A good frost is badly needed to kill off the outdoor stock which is still very heavy in this market.

Except for chrysanthemums which are going out on a larger scale than ever, the wholesale shipping business is gathering headway rather slowly. There is plenty of stock, but the demand from outside markets has not yet developed to any great extent; and while some violets are going as far east as Chicago, a great deal more business could be handled without difficulty. Shippers, however, look for a good normal business between now and the holidays. Business in this immediate vicinity, though it might be better, gives no ground for complaint; the leading retailers being pretty steadily occupied with large orders. Chrysanthemums have of course lost their novelty by this time, but it can hardly be said that the demand is any less active. In fact, this has so far been a very successful season for chrysanthemums in every way. Carnations are now coming in quite freely, and the quality in general is very satisfactory. The supply of roses is gradually increasing but a good many growers, who are

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Bronze and Green Galax, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00 per 1000.
Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.
Write, wire or telephone 13 R4.

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 24 1914		First Half of Week beginning Oct. 26 1914	
Cattleyas	10.00	to 25.00	15.00	to 25.00
Lilies, Longiflorum	3.00	to 4.00	2.00	to 3.00
Rubrum	1.00	to 1.50	1.00	to 1.50
Lily of the Valley	2.00	to 3.00	2.00	to 3.00
Violets	.15	to .25	.10	to .25
Corn Flower				
Chrysanthemums	4.00	to 25.00	2.00	to 15.00
Dahlias	.50	to 1.00		
Sweet Peas (per 100 bunches)			.25	to .50
Gardenias	5.00	to 16.00	5.00	to 15.00
Adiantum	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 12.00
Asparagus Plumosus, strings (per 100)	25.00	to 35.00	15.00	to 30.00
& Spren (100 bunches)	15.00	to 25.00	15.00	to 30.00

making special preparations for the late fall and winter trade, will have little to offer for another fortnight or more. The average quality of current offerings also shows some improvement. A large crop of orchids is coming into the market, and many very beautiful varieties are now appearing. Among the most desirable are Cattleya Bowringiana, and Oncidium varicosum Rogersii.

The demand for roses has not been as strong as could be desired, but this same condition holds true of all indoor grown stock due to the great influx of outdoor chrysanthemums, cosmos and dahlias. Sunburst and Mrs. Shawyer roses have been bringing from \$2 to \$8 per hundred. The top price for Radiance has hovered around \$6, with few going at that figure. Hadley roses are being held at prices from \$6 to \$12. Carnations have improved greatly, but are still going at little money. Lily of the valley holds good at \$3 to \$5. Orchids have been quite plentiful and good Cattleyas now bring \$5 per dozen, but neither these nor the gorgeous spray orchids now to be had are in much of a demand. Violets are coming in a little stronger and Fire Flame roses are in fine shape. Potted pompon chrysanthemums are moving well. Cut pompons are being sold at \$1.50 per dozen bunches.

NEW FLOWER STORES.

Galena, Ill.—J. V. Wickler.
Amesbury, Mass.—J. J. Comley.
Hartford, Ct.—John Coombs, Hotel Garde.
Chicago—Sam'l Y. Bloom, 822 E. 62nd street.
Reading, Pa.—Frank Shearer, 620 Penn street.
Pawtucket, R. I.—Winifred Seaman, Main street.

NEW FLOWER STORES.

Grand Forks, N. D.—E. O. Lovell, Elks Building.
Terre Haute, Ind.—The Rosery, 11 North 6th street.
Washington, D. C.—Gross & Sons, 1410 Park Road.
Worcester, Mass.—Harry I. Randall, 13 Pleasant street.
Hartford, Ct.—Wm. J. McManus, Upper High street.
Hartford, Conn.—Welch, The Florist, 180 Asylum street.
Springfield, Mass.—Herrick & Gray, Worthington street.
Springfield, Mass.—Mrs. N. F. Higgins, 237 Pine street.
Chicago, Ill.—San Bloom, 63d street and Woodlawn avenue.
Pittsburgh, Pa.—Howard Carney, Henry W. Oliver Building.
San Francisco, Cal.—The Terminal Florist, Cowell Building.
New York, N. Y.—Armstrong & Mackay, 671 Eighth avenue.
Uniontown, Pa.—Stenson & McGrail Floral Co., 11 W. Main street.
Fairmount, W. Va.—Hayman Greenhouse Co., Watson Hotel Bldg.
Providence, R. I.—Littman, the Florist, 317 Westminster street.
New York, N. Y.—Theotokatos & Dellaport, 167 Madison avenue.
Denver, Col.—The Globe Greenhouses, Tremont and 15th streets.
Chicago, Ill.—Julius Zachau, 10953 Michigan avenue, about Nov. 15th.

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R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIARIS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AUCTION SALES

Elliott Auction Co., New York City.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BAY TREES

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

W. W. Edgar Co., Waverly, Mass.
Bargains in Lorraine Begonias.

BERBERIS THUNBERGII

Old Town Nurseries, M. P. Haendler, Prop.,
So. Natick, Mass.
For page see List of Advertisers.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

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Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
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For page see List of Advertisers.

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Bush. In various sizes. Price List on
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ford, N. J.

BOXWOOD SPRAYS

FANCY BOXWOOD SPRAYS.

Bright Green Dwarf and Tree varieties,
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pound guaranteed. Packed in light weight
freight or express containers. Let us
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free. PITTSBURGH CUT FLOWER
COMPANY, 121 Sandusky St., Pittsburgh,
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Surplus Offer.
For page see List of Advertisers.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Fall Bulbs.
For page see List of Advertisers.

Henry F. Michell, Philadelphia, Pa.
Bulb Headquarters.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.
For page see List of Advertisers.

New England Nursery Co., Bedford, Mass.
For page see List of Advertisers.

SURPLUS BULBS.

HYACINTHS, First Size, 3/4c. each: 50
each Queen Blue, Perle Brilliant, Gigan-
thea, Morena, General De Wet, Madame De
Hoop, Gertrude, Marie, La Grandesse,
General Pleissnee; 100 each Charles Dickens,
Menilca.

Second Size, 2/4c. each: 50 each White,
Pink, Light Blue, Dark Blue; 100 Mixture.
MINIATURE, 2c. each: 50 each Gigan-
thea, La Innocence, Morena, Grand Maitre,
Queen Blue.

DAFFODILS: 500 each Van Zion-Mam-
moth, \$22.50 per 1000; Golden Spur Mam-
moth, \$18.50 per 1000; Bicolor Victoria,
\$18.50 per 1000; Emperor Mammoth, \$13.00
per 1000; Trumpet Major, \$11.00 per 1000;
250 each Bicolor Grandis, \$10.00 per 1000;
William Goldring, \$11.00 per 1000; Mrs.
Langtry, \$8.00 per 1000; Barri Conspicuous,
\$6.00 per 1000; Campnellen, \$7.00 per
1000. 200 Sir Watkin, \$14.00 per 1000.

TULIPS, Early Single: 250 each Kaiser-
kroon, \$12.00 per 1000; Yellow Prince, \$7.00
per 1000; Cottage Maid, \$8.00 per 1000;
Thomas Moore, \$8.00 per 1000; Cramoise
Brilliant, \$10.00 per 1000. 1000 Mixed, \$6.00
per 1000.

Early Double: 1000 Mixed, \$7.00 per 1000.
Late Double: 500 Mixed, \$8.00 per 1000.
May Flowering: 150 each Gesneriana
Lutea, \$13.00 per 1000; Gesneriana Spathu-
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Darwin: 150 each Clara Butt, \$15.00 per
1000; Baron De La Tonnaye, \$15.00 per
1000; Sultan, \$15.00 per 1000; La Candeur,
\$15.00 per 1000. Mixed, \$9.00 per 1000.

MERCHANTVILLE NURSERY CO.,
156 S. Center Street, Merchantville, N. J.

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Quality French Bulbs.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.

New Carnation Alice.

For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Field grown Carnation plants, fine, good
plants: Enchantress, White Enchantress
and Gordon, \$4.00 per 100; Vinca variegated,
strong field grown, \$4.00 and \$5.00 per 100.
M. J. SCHAAF, Dansville, N. Y.

CARNATION STAPLES

Split carnations quickly, easily and
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Staple, 1000 for 35c.; 3000 for \$1.00 post
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Supreme Carnation Staples, for repairing
split carnations, 35c. per 1000; 3000 for
\$1.00. F. W. WAITE, 85 Belmont Ave.,
Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CYBOTIUMS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nabant, Mass.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

CYPERUS

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For page see List of Advertisers.

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Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS
are the best on the market; 800,000 Clumps
to offer, at rock bottom prices, in full field
clumps, and strong divisions. If you are
looking for stock for your 1915 Catalogue,
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logue. J. K. ALEXANDER, "The Dahlia
King," East Bridgewater, Mass.

For List of Advertisers See Page 611

DECIDUOUS TREES

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.

For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

DRACAENAS

DRACAENAS—4-in. pots, \$6.00; 5-in.,
\$7.50 per 100. Umbrella Palms, \$1.00 per
doz. up. Geraniums in variety. Randall's
Greenhouses, 25 Baker St., Foxboro, Mass.

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F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats.

For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechlin, River Forest, Ill.
Ferns for Disks.

For page see List of Advertisers.

FERTILIZERS

10th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.

For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.

For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.

For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.

Aetna Brand Tankage Fertilizer.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.

For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. E. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayerdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

H. Allan Pelree, Waltham, Mass.
Pelree Paper Flower Pot.

For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.

For page see List of Advertisers.

A. H. Hewa & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.

W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.

For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

Geraniums—S. A. Nutt and Double Grant,
2½-in., \$1.70 per 100. Sample upon re-
quest. FAIRVIEW GREENHOUSES, Mil-
ton, Pa.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

MRS. FRANK PENDLETON.

I am headquarters for pure stock of this
grand pink gladiolus. Write for quota-
tions on all sizes. Also planting stock of
Chicago White, Glory, Meadowvale, Snow-
bank, The King, etc. Prices right.

L. MERTON GAGE, Natick, Mass.

Write for price list home-grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.

For page see List of Advertisers.

GLASS REPAIR CLAMP

Alexander Klokner, Wauwatosa, Wis.
Peerless Glass Repair Clamp.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

Stearns Cypress.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

R. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Manuf. Co., Chicago, Ill.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Hitebings & Co., New York City.

For page see List of Advertisers.

William H. Lutton Co., Jersey City, N. J.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Pierson T-Bar Co., New York City.

Daniel Iliffe, South Weymouth, Mass.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.

For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS
Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.

For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Pailsades Nurseries, Inc., Sparkill, N. Y.
Pailsades Popular Perennials.

HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNKOE & SONS, Oswego, N. Y.

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

Daniel Iliffe, South Weymouth, Mass.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co.,
Chicago, Ill.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOME

H. A. Dreer, Philadelphia, Pa.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.

For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.

For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.

For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."

For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.

For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.

For page see List of Advertisers.

B. G. Pratt Co., New York City.
For page see List of Advertisers.

IRIS

IRIS—10 named varieties German Iris,
\$2.00 per 100. AMON HEIGHTS NUR-
SERIES, Camden, N. J.

IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

KENTIAN

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

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LILY BULBS

Yokohama Nursery Co., Ltd.,
New York City.
Lilium Formosum.

For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Lilium Formosum and Giganteum.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteum.
For page see List of Advertisers.

LILY OF THE VALLEY

McHutchison & Co., New York City.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS—\$8.00 per
1,000; Field Clumps, \$80.00 per 1,000.
HENRY SCHAUMBERG, Hammon, N. J.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville,
Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louis-
ville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphne Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

New England Nursery Co., Bedford, Mass.
Bedford Quality Nursery Stock.
For page see List of Advertisers.

Isaac Hicks & Son, Westbury, L. I., N. Y.
Bargains in Shade Trees and Evergreens.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

Palisades Nurseries, Inc., Sparkill, N. Y.
Shrubs, Trees and Vines.

ONION SEED

Federico C. Varela, Tenerife,
Canary Islands.

Bermuda Onion Seed.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

PANSY PLANTS

Pansies—Mixed, strong plants, \$3.00 per
1,000 or 50c. per 100, by mail. CHAS.
FROST, Kenilworth, N. J.

Pansies—Excellent stock, brilliant colors,
seedlings with good roots, \$2.00 per 1000;
35c. per 100. Cash. PETER HERB &
SONS, Mt. Healthy, O.

Pansy Plants—Goodell's Colossal are the
largest of all pansies. Flowers 3 inches
and upwards across on long strong stems.
Extra fine for forcing. Fifteen splendid
colors mixed, including the finest of all
white and yellow varieties. Good stocky
seedbed plants from August sown seed.
1000, \$10.00; 500, \$5.00; 250, \$3.00; 100, \$1.50.
Cash with order. L. W. GOODELL, Pansy
Park, Dwight, Mass.

PELARGONIUMS

50 varieties of Pelargoniums, all under
name. Send for descriptive circular and
price list. JOHN S. LEACH, Hartford
City, Indiana.

PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

25 acres devoted to the growing of
Peonies; let me figure on your list of
wants. GILBERT H. WILD, Sarcoxie, Mo.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHLOX

PHLOX—Mrs. Jenkins (the best white),
\$3.00 per 100. We need the room and have
20,000 surplus. AMON HEIGHTS NUR-
SERIES, Camden, N. J.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.

Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

For page see List of Advertisers.

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

PRIMULAS

Chinese Primroses. Strong and fine,
ready for 4-in. pots, in best mixed colors;
\$3.50 per 100. JOHN F. RUPP, Shiremans-
town, Pa.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.

For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

Stuart Low & Co., Bush Hill Nurseries,
Enfield, Eng.

SCALECIDE

B. G. Pratt Co., New York City.
For page see List of Advertisers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and
Flower Seeds.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.

For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and
Flower Seeds.

For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Boigliano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.

For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.

For page see List of Advertisers.

Arthur T. Boddington, New York.
Christmas Flowering Sweet Pea.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.

For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.

For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.

For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford,
Conn.

For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.

For page see List of Advertisers.

For List of Advertisers See Page 611

SEEDS—Continued.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Peas, \$1.00 to \$5.00 per bushel, No. 1 quality. Leading garden varieties. P. J. WILKINSON, Brookside Farm, Cambray, Ontario, Canada.

Fottler, Fliske & Rawson Co., Boston, Mass.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. **LAGER & HURRELL**, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VEGETABLE PLANTS

RHUBARB

VICTORIA—Large clumps suitable for forcing, doz., \$2.50; 100, \$12. **BRECK-ROBINSON NURSERY CO.**, Lexington, Mass.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphiae Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. **HOLTON & HUNKEL CO.**, Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Elliott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued Cincinnati.

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

Montreal

Montreal Floral Co., Ltd., Montreal, P. Q.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 28th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue

AZALEAS.

F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

BOXWOOD.

The Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

DREER'S VARIEGATED PINE APPLES.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION—HEATING MATERIAL; HOT-BED SASH.

Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

NEW OFFERS—Continued

LILIUM LONGIFLORUM MULTIFLORUM.

Henry F. Michell, Philadelphia, Pa.
For page see List of Advertisers.

REDUCTION IN PRICES OF "NICO-FUME" PRODUCTS.

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

ROSE KILLARNEY BRILLIANT.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

SWASTIKA BRAND CANNAS.

Conard & Jones Co., West Grove, Pa.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

SITUATIONS WANTED

WANTED—Head Gardener's or Superintendent's position. Northern and Southern experience in all branches; best of references. **W. D. NICKERSON**, 116 Putnam St., Quincy, Mass.

SITUATION WANTED as Working Foreman. American, married; 14 years' experience; capable of taking full charge; excellent references; private or commercial. Address **WILLIAM H. CLARK**, R. F. D. 2, Glenaria, Md.

SITUATION WANTED—By single man, private or commercial place; 3 years' experience in this country. First-class references. Address **G. O'CALLAGHAN**, care D. Connors, Monroe Ave., Red Bank, N. J.

SITUATION WANTED — Experienced greenhouse man wants position on private or florist's estate. Best of references from present and previous employers. Write **GREENHOUSE**, care of "Horticulture."

FOR SALE

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M." care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAB-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE McCray Refrigerator, 7 feet long, 5 glass doors, 1 mirror, white enamel finish, nickel trimmings, used only few months. Price very low to settle estate. **CHARLES MAYBERRY**, 16 Bank Bldg., Clinton, Mass.

FOR SALE—Two Lord & Burnham 9-sectional boilers, 1 No. 15 L. & B. Greenhouse material new, at a reduced price. **V. E. REICH & SONS**, 1429-31 Metropolitan Ave., Brooklyn, N. Y.

FOR EXCHANGE

WILL EXCHANGE—Holland Bulbs and Trees for Evergreens, Perennials, foliage plants. **L. J. SMITH**, Merfaintville, N. J.

In writing to Advertisers kindly mention Horticulture

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Decatur, Ill.—C. W. Harrold, house 17x80.

Jefferson, Ia.—E. S. Foulks, one house.

Berwyn, Md.—Henry Lavelle, house 50x100.

Westfield, N. J.—Charles Doerrer, two houses.

Roundout, Ill.—J. G. Schumann, range of houses.

Newport, R. I.—Thos J. Gibson, palm house 21x75.

Sturgeon Bay, Wis.—Mrs. M. Welter & Son, one house.

Scottdale, Pa.—W. C. Myers & Sons, 72 ft. carnation house.

Arkona, Ont.—Philip Austin, Lord & Burnham house 31x70.

Kennett Sq., Pa.—Way Bros., Lord & Burnham house 45x400.

Worcester, Mass.—R. N. Perry, 82 Park avenue, three houses.

Ticonderoga, N. Y.—Grimes Floral Co., Moninger house 34x104.

St. Thomas, Ont.—Henry Newsome, Lord & Burnham house 35x58.

St. Catharines, Ont.—W. J. Chaplin, Lord & Burnham house 60x100.

Montreal, Can.—J. C. Simpson, Lord & Burnham house 40x60.

San Francisco, Cal.—Fred C. Buss, 5318 Geary street, two houses.

Woodbridge, Ont.—Robert Popper, Lord & Burnham vegetable house 50x125.

**THE APHINE MANUFACTURING
COMPANY****Caterers to Florists and Gardeners**

Manufacturers of

**The Recognized Standard Insecticide.**

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

"40% NICOTINE"

A free nicotine, 40% strength, for spraying and vaporizing.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EBEL
Treasurer

**AETNA BRAND
TANKAGE FERTILIZER**

Is the best balanced fertilizer manufactured. It contains the ten basic salts constituting soil, and is giving satisfactory results wherever used. Our Compost, composed of manures rotted together from six to eight years, we ship in car lots at 60 cts. per ton f. o. b. Chicago. We sell all kinds of Manures in car lots.

**FARMERS AND FLORISTS
FERTILIZER CO.**

809 Exchange Ave., Room 5.

Tel. Drovers 1932

U. S. YARDS, CHICAGO, ILL

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO
251 East 66th St., New York, N.Y.

**LEMON OIL CO'S
STANDARD'S
SOLUBLE IN WATER
INSECTICIDE NO ODOR NO POISON**

Guaranteed under the Insecticide Act, 1910. Series No. 321
Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange. Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can...\$17.00

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

**IMP.
SOAP SPRAY**

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON**Scotch Soot**

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

**NIKOTEEN For Spraying
APHIS PUNK For Fumigating**

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

**"SCALECIDE"
SAVES MONEY**

"SCALECIDE" at \$25 per barrel is cheaper than Lime Sulphur at \$6, because 3 1/2 bbls of L. S. will cost \$20, plus \$22.50 to apply, or \$42.50. One barrel of "SCALECIDE" will spray just as many trees, and spray them better, and will cost only \$26, plus \$12 to apply. You save \$5.50 and get a better protection against San Jose Scale, Leaf Roller and all pests controlled in dorm at season. Write for "SCALECIDE" the Tree Saver." B. G. Pratt Co., 50 Church St., N. Y. City

**Cocoonut Fibre Soil
WAR**

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.

FERTILENE

The Ideal Plant Food.

Unequalled for Producing Lusty Chrysanthemums

Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by **ELMER D. SMITH & CO., Adrian, Mich.**

Reduction In Prices

— OF —

"NICO-FUME" PRODUCTS

OUR NEW SCHEDULES ARE AS FOLLOWS:

"NICO-FUME" LIQUID

8-pound can	\$10.50
4-pound can	5.50
1-pound can	1.50
$\frac{1}{4}$ -pound can .....	.50

"NICO-FUME" PAPER

Can containing 288 Sheets	\$7.50
Can containing 144 Sheets	4.00
Can containing 24 Sheets .....	.85

Your Dealer Has These Schedules: See Him.

FURTHERMORE

To enable the Dealers to supply the Growers with fresh "Nico-Fume" Paper, we have agreed to ship "Nico-Fume" Paper direct from our factory to the Dealers' customers at the above prices, prepaying freight, Express or Parcel Post at our expense.

You know the big advantage of having your fumigating paper

FRESH

Place your order with your dealer for any number of cans you may need and the shipment will be made direct from our factory to you, charges prepaid.

"Nico-Fume" Liquid will be delivered by your Dealer as heretofore, as it does not lose strength with age like the paper.

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

INCORPORATED.

Est. 1765

FOR "POT LUCK" USE

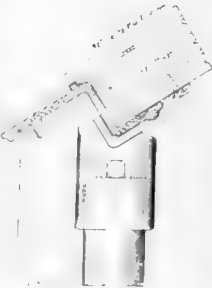
Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.

IF YOU ONLY KNEW what a good have the METROPOLITAN PATENTED is, you would use no other. It is made of cast iron and will not rust. That part of your greenhouse which in other constructions is the weakest becomes the strongest. Not this alone, it is ice-clearing and carries all the water of condensation from the inside, and it is so constructed that almost the entire end of the bar is exposed to the air, thereby preventing decay. Only one screw, about two inches from the end, is all that is necessary to secure the bars. For side stationary glass, wood headers are absolutely unnecessary, thereby causing no shade. Zinc glass stops are not necessary—the give is made with a lug to prevent the glass from slipping. Let your next house be built with a Metropolitan Patented Iron Wall Construction. You will never regret it. Our price and service are right.



METROPOLITAN MATERIAL CO.
Patented Greenhouses—Heating Engineers
Hotbed Sash, Glass, etc.
1392-1414 Metropolitan Ave., BROOKLYN, N. Y.

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.81
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/4 " " 5.80	120 7 " " 4.30
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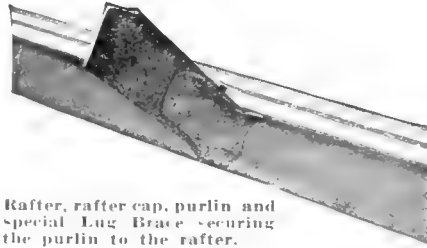
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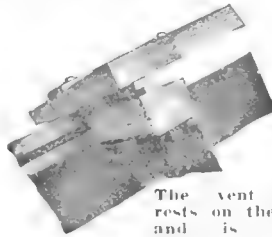
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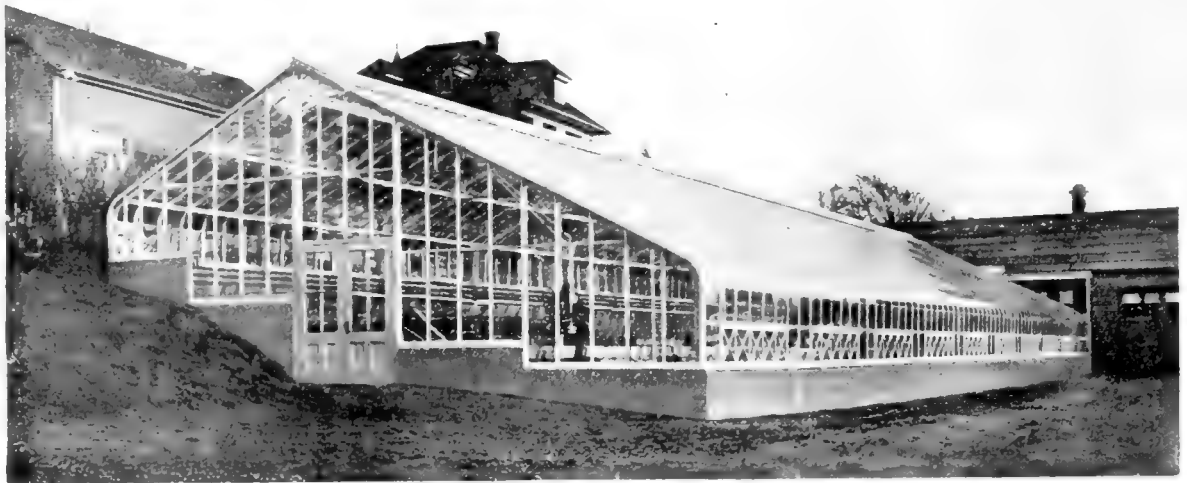


The vent header rests on the purlin and is screwed firmly to it.

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HORTICULTURE



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LIST OF ADVERTISERS

	Page		Page		Page		Page		Page
Advance Co.	711	Conard & Jones	690	Grey, Thos. J. &	695	McCarthy, N. E.	700	Plant Food Co.	709
Albany Cut	702	Conine, F. E.	680	Gude Bros. Co.	697	McConnell, Alex.	696	20th Century	709
Flower Ex.	702	Nursery Co.	680	Haendler, M. P.	693	McHutchison &	693	Poehmann Bros.	700
Allen, J. K.	702	Cowee, W. J.	700	Hail Association	710	Co.	693	Pratt, B. G. Co.	709
Anderson, S. A.	697	Craig, Robt. Co.	680	Hart, Geo. B.	702	McManus, Jas.	702	Pulverized Ma-	709
Aphine Mfg. Co.	709	Critchell, C. E.	700	Heacock, Jos.	680	Metropolitan Ma-	710	nure Co.	709
Aschmann, G.	680	Crowl Fern Co.	703	Henderson, A. &	694	terial Co.	710	Quaker City Ma-	711
Asmus, Geo.	698	Dards	696	Hess & Swoboda	696	Co.	699	chine Co.	711
Ayres Co., S.	695	Davenport, A. M.	680	Hews, A. H. &	710	Meyer, John C.	699	Randall's Flower	711
Bryson	695	Dorner, F. &	680	Co.	710	Co.	699	Shop	697
Badgley, Riedel	702	Sons Co.	680	Hicks, Isaac &	693	Meyer, Chas. F.	679	Reed & Keller	702
& Meyer	702	Dreer, H. A.	693-710	Son	693	Michell's Seed	694	Reid, Edw.	700
Barrie, Geo. N.	710	Dunlop, John H.	697	Hilfinger Bros.	710	House	694	Reuter's	697
Barrows & Son	680	Dysart, R.	697	Hill, E. G. Co.	700	Michigan Cut	697	Rice, M. Co.	697
Bayersdorfer, H.	702	Eastern Chemical	709	Hitchings & Co.	712	Flower Ex.	700	Roehrs, J. Co.	680
& Co.	702	Co.	709	Holland Nurser-	693	Millang, Chas.	702	Roland, Thomas	680
Bay State Nur-	693	Edwards Folding	700	ies	693	Moore, Hentz &	702	Rolker, A. &	697
series	693	Box Co.	700	Holm & Olson	696	Nash	702	Sons	679-710
Bobbink & At-	693	Elliott Auction	692	Iliffe, D.	711	Murray, Samuel	696	Rosery, The	696
kings	693	Co.	692	Irwin, R. J.	694	National Nursery-	693	Schiller	698
Boddington, A.	695	Ernest, W. H.	710	Kasting, W. F.	700	man	693	Schling, Max.	697
T.	695	Esler, J. G.	710	Co.	700	New England Nur-	693	Schwake, Chas.	679
Bolgiano & Son	695	Eyres	697	Keller, J. B.	696	series	693	& Co.	679
J.	695	Farmers and	709	Sons	696	Nicotine Mfg. Co.	709	Sheridan, W. F.	702
Boston Florist	695	Florists Fertil-	709	Keller, J. M. Co.	680	Niessen, Leo Co.	700	Sharp, Partridge	711
Letter Co.	695	izer Co.	709	Kentucky Tobac-	678	Oechslin, Ernest	680	& Co.	711
Breck, J. & Sons	700	Farquhar, R. &	693	co Product Co.	678	Old Town Nur-	693	Siebrecht, Geo.	702
Breitmeyer's, J.	696	J. & Co.	693	Kervan Co.	702	series	693	C.	702
Sons	696	Fisher, Peter	680	King Construc-	710	Ouwerkkerk, P.	693	Siggers & Sig-	710
Bryan, Alonzo J.	680	Foley Mfg. Co.	711	tion Co.	710	Palmer, W. J. &	693	gers	710
Burpee, W. A. &	695	Ford, M. C.	702	Komada Bros.	702	Son	693	Skidelsky, S. S.	695
Co.	695	Ford, W. P.	702	Kramer, F. H.	697	Park Floral Co.	695	& Co.	695
California Seed	695	Framingham	693	Kroeschell Bros.	711	Parshelsky Bros.	710	Sluis & Groot	695
Growers' Asso.	695	Nurseries	693	Kuebler, W. H.	702	Peirce, E. Allan	710	Small, J. H. &	697
Carter's Tested	695	Froment, H. E.	702	Lemon Oil Co.	709	Pennock-Meehan	701	Sons	697
Seeds, Inc.	695	Galvin, Thos. F.	697	Leonard Seed Co.	695	Co.	701	Smith, P. J.	702
Childs, John	694	Gasser Co., J. M.	697	Loechner & Co.	679	Pierce, F. O.	710	Smith & Co., E.	709
Lewis	694	Graham, Adam	696	May & Co., L. L.	697	Pierson, A. N.	680	D.	709
Chronicle Press,	708	& Son	696			Pierson, P. R.	697	Smith & Hemen-	696
Inc.	708					Co.	691-697	way Co.	696
Clarke's, D.	690					Plantlife Co.	709	Smyth, Wm. J.	696
Sons	690								

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Proverb*.

Care of Young Cinerarias

Cineraria seed that was sown early in August and up to September should now be nice strong plants in flats. Just as soon as they have made enough for a three-inch pot they can be potted off. They like a light and sandy mixture, say three parts fibrous loam, two of not too old leaf mold, and a little sand. They can be kept rather close and shaded for a few days until they have made new roots, after which they can be placed well up to the glass in a cool house. They gain vigor and tone in a temperature of about 45 degrees at night; during bright weather, a day temperature of from 55 to 60 will suit. When they have filled these pots with roots they should be shifted into 5-inch pots. Never let them approach a pot-bound condition until they are in their flowering size.

Freesias for Christmas

The earliest planted batch of freesias should by this time have made good headway. Where they are in boxes, flats or pots raise them well up to the glass, which will help in keeping them from "drawing up." Be sure that the soil is always kept nice and moist, but not saturated. The house should have ample ventilation whenever possible. To be in flower for the holidays they will want a temperature of at least 60 degrees at night with 15 to 20 degrees more during bright days. To enlarge the flower and lengthen the stem they should have liquid manure once a week and up until they show color.

Dracaena indivisa

We are now running into shorter days which limits the allowance of fresh air, so take advantage of every good day to give ventilation; this will help to harden the plants before winter sets in. In dark or rainy weather firing should be run more brisk which will permit of more ventilation to hold the atmospheric condition of the houses right. Watering can be overdone as well as too little. They like to be kept moist at the roots, but not to such an extent as to cause any sourness. Keep the atmosphere moist by damping down two or three times a day. Keep a night temperature of from 55 to 60 degrees.

Syringe overhead in the morning of bright days and keep the floors and benches well dampened. Sponge frequently for thrips and scale, as they soon accumulate on these plants.

Potting Geraniums

Now when early chrysanthemums are all out of the way is a good time to pot up the earliest propagated geraniums, which will enable you to get another cutting from each plant by the first week in January. It is always better to use new soil for geraniums. A good compost is fibrous soil three parts and very old manure one part; do not use any green manure. Pot firmly. Water as they may need it, but never keep them soaked as they are better for being dried out once in a while. It always pays to give these plants a good light house as it results in nice sturdy plants. Give them room as they grow.

Schizanthus for Easter

Now is a good time to sow schizanthus. When sown at this date they will make fine plants for Easter in 6 or 7 inch pots. Make a compost of loam, leaf mold and sand, mix well and fill the pans to within an inch of the top. Keep them shaded until the plants begin to show enough through the surface, but after that they will stand all the light and sun that they can get. When they can be handled they should be potted in 2-inch pots and shift afterwards as they may need it until they are in their flowering size. When they are well started in the small pots a night temperature of 45 to 48 will be high enough. Pinch frequently so as to form bushy plants and for the last two or three shifts give them a compost of fibrous loam three parts, well rotted manure two parts, with a little sand. When they have filled their pots with roots they will take plenty of water.

Procure Your Supply of Palms

Now is a good time to lay in a good supply of salable plants of all sizes and the sooner this is done the better. You can get fine stock through the advertisers in HORTICULTURE. When received give these new arrivals a good place in your palm house by themselves so they will have a chance to go ahead.

Mr. Farrell's next notes will be on the following: Cinerarias for Christmas; Irises for forcing; Lillium speciosum; Resting Bougainvilleas; Paper White Narcissus; Planting Hardy Roses.

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HORTICULTURE

VOL. XX

NOVEMBER 14, 1914

NO. 20

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CONTENTS

Page

COVER ILLUSTRATION—Begonia Mrs. Heal.....	
NOTES ON CULTURE OF FLORISTS' STOCK—Care of Young Cinerarias—Freesias for Christmas—Dracaena indivisa—Potting Geraniums—Schizanthus for Easter—Procure Your Supply of Palms— <i>John J. M. Farrell</i>	681
ROSE GROWING UNDER GLASS—Last Chance for Repairs—Ventilation—Night Temperature—Syringing— <i>Arthur C. Ruzicka</i>	683
THE EXHIBITIONS The Boston Show—Chicago Show—New Bedford.....	684
Westchester and Fairfield—Tarrytown Horticultural Society—F. R. Pierson Exhibit at New York, Illus. Nassau Horticultural Society—Tuxedo Horticultural Society.....	685
Indianapolis—Asbury Park, N. J.—Chrysanthemums at Cornell University, Illustrated.....	686
Providence, R. I.—Dobbs Ferry.....	687
PARK INSTITUTE OF NEW ENGLAND.....	688
CLUBS AND SOCIETIES—Florists' Club of Washington—Lenox Horticultural Society—Pittsburgh Florists' and Gardeners' Club—Gardeners' and Florists' Club of Boston—Albany Florists' Club—Society of American Florists.....	689
New York Florists' Club—St. Louis Society Notes—Club and Society Notes.....	690
BEGONIA MRS. HEAL.....	691
DURING RECESS—Boston Co-operative Flower Market Banquet—New York Florists' Bowling Club....	629
SEED TRADE—Bulb Trade in California—Notes....	694
BRITISH HORTICULTURE— <i>W. H. Adsett—C. Harman Paine</i>	694
OF INTEREST TO RETAIL FLORISTS:	
The Retailers' Business Calendar.....	696
Flowers by Telegraph—New Flower Stores.....	697
Decorated Automobile, Illustrated.....	698
Japanese Window Display, Illustrated.....	699
NEWS ITEMS FROM EVERYWHERE:	
Boston—Washington—Chicago.....	698-699
San Francisco.....	707
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati.....	701
Knoxville, New York, Philadelphia, San Francisco, St. Louis, Washington.....	703
OBITUARY—John L. Parker—Christian Ackerman—F. C. Kirchhoff—John Gilmartin—Henry Cannell....	708
MISCELLANEOUS:	
Visitors' Register.....	688
Business Troubles.....	694
News Notes.....	699-710
Illness of Charles H. Totty.....	703
Massachusetts Agricultural College.....	708
Greenhouses Building or Contemplated.....	709

Chrysanthemums from seed

Anyone who has paid particular attention to the varieties of so-called single early chrysanthemums so profusely exhibited at the shows this year, must have noticed that in every respect—size, form and diversity and purity of color—the groups of mixed seedlings are oftentimes fully the equals of the collections of named varieties. At a banquet which took place recently a large vase of mixed seedling single earlies had been sent in to adorn the table and one gentleman, superintendent of a large estate where the best of everything is always purchased, was heard to remark that he had bought the novelty set for this year of named varieties sent out by one of the leading chrysanthemum introducers in this country and that the best of these was hardly the equal of the poorest in the vase

of seedlings before him. Foreign raisers of these as well as of roses are too prone to give names to things which are no improvement over varieties already disseminated. Catalogues are encumbered with long lists of sorts of commonplace quality and buyers are perplexed and disheartened by the indifferent results from over-praised introductions. It would appear that anyone who will take the trouble to raise his own seed from carefully selected stock can be independent in the case of single chrysanthemums at least.

Our editorial note of last week in regard to the decorative value of the smaller blooming varieties of chrysanthemums and the moss-grown methods still pursued in staging these as well as many other flowers at the exhibitions, has elicited quite a few comments from readers. One writer, in expressing his disappointment at the incorrigible pertinacity with which exhibitors stick to old ways and ignore all progressive suggestions, says that it makes him think of a Dickens story. The driver of the stage coach has always kept a seat on the box for Charles D., and they had become quite familiar. Noting that he never had known the driver to take a holiday, Dickens arranged with the owners of the line for a day's vacation, and a sovereign was given for spending money. What did the driver do? Why he hired a coach and four, and drove over the road he had driven on for twenty years! However, it is very evident that HORTICULTURE's frequent comments on the deplorable stand-still policies which so often hedge around schedule makers and exhibitors alike, are beginning to bear some fruit and there are cheering signs of a breakaway. We shall continue to hammer at it for we know we are in the right. No progressive florist would think of displaying his goods and no person of taste would adorn his home in the crude, monotonous manner in which flowers are so frequently put up for public inspection in our exhibitions.

Welcome work by the Dept. of Agriculture

The Department of Agriculture has begun the issuance of a series of bulletins of popular information on the care of the flower garden and allied topics. These bulletins are sent to the newspapers throughout the country and to other mediums through which the educational information they contain may have the widest possible dissemination. We notice what appears certainly to be a mistake in a recently issued bulletin, otherwise correct and instructive, on the uses and the treatment of tulips and other bulbs. It is stated that "Holland bulbs, such as the narcissus, tulip and hyacinth, are practically the only plants that will flower satisfactorily in the house with ordinary care. About the only plant giving similar satisfaction is the begonia." Thousands of home windows gay with geraniums, abutilons, gloxinias, callas, primroses and a score of equally adaptable subjects all winter through, make this statement so absurd that the credibility of the rest of the bulletin must suffer seriously in the estimation of the innumerable housewives who know better. But, as aforesaid, these publications are in the main correct and instructive; they are well written in easily understood terms and will undoubtedly do much to disseminate needed knowledge as to horticultural operations in and around the home. We are glad to see the Department thus broadening its field of activities and giving this long-deferred but well-merited recognition to the purely ornamental end of horticulture. The bulletins issued thus far include: "To protect your flowers from Jack Frost;" "Tulip bulbs should be planted in the late fall;" "Bulbs may be raised indoors;" "Fall fertilizers for lawns;" "The indoor window box;" "Potted plants for the living room."

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Last Chance For Repairs

Snow has appeared here and there all over the northern section of the country. The squalls that it came in were miniature storms, sent out as it would seem, to warn us of what is coming later on in the winter. With this in mind it will be a wise grower who will take the last chance and go over his houses if he has not already done so, and see that all is in good shape, all loose glass taken out, and securely fastened, after being imbedded in fresh putty. The work is much more pleasant now when done on a nice day, than it will be later in a storm with the wind blowing about fifty miles an hour from the north pole. All crevices, and all broken glass that is likely to make trouble should be seen to, and will insure the growers a much more peaceful mind when the storms do come. The coal bill can be decreased a little by having the houses tight. Among the old houses of the three-quarter-span type, there will no doubt be some that will need bracing to keep them up should a strong wind come with damp snow. It is not very nice to plough through the sleet at night to do this work when the storm is raging. Better do all repairing now, and have it done.

Ventilation

The season having advanced, every possible care should be given to ventilation, as this has a good deal to do with the successful growing of roses. See that the houses are not closed down tight unless the temperature outside falls to 28 or 26. Otherwise it is best to keep a crack of air on all night long. This will apply especially to new houses, or to houses that are kept up in extra good shape, for these are bound to be tight, and will hold air much more than the old leaky houses found on a good many places. It will also be advisable to run the houses a little cooler now. Do not let them run much more than 66 deg. F. on cloudy days, and not more than 78 on clear days. Putting on air should begin in the morning as soon as the thermometers show an increase of four degrees over the night temperature. Then apply a little more air as the temperature rises, say a little for every three or four degrees until the highest temperature for the day is reached, and keep it there until it naturally begins to decline in the afternoon. Always aim to have the houses open at least a little bit when the sun is shining, a practise that applies at all times except in the extreme winter when the sun's rays are not so strong, and when the weather is extremely cold. Be very careful to see that there are no sudden changes in temperature, as that makes ideal conditions for mildew to start.

Night Temperature

Try to maintain the same heat all night, unless you want to vary it during certain hours for the benefit of the plants. Make sure that your thermometers are right, and that they register the right temperature. We had trouble once with a house running very uneven, and had it not been that the night man was very trustworthy, he would have the blame for this. However, other houses were all right, and the trouble was finally located in the recording thermometers that were used there. Just before the winter season sets in it is well to collect all thermometers, and after carefully marking them as to where they belong, test the whole bunch, and discard all that have a tendency to show that they are not registering true. It will pay to do this, when we consider the important part that the thermometer plays in rose growing, and yet these silent helpers are seldom questioned as to their reliability.

Syringing

We can easily say that the weather has been ideal for growing not only roses, but other greenhouse stock as well. To hope that this will continue would be asking too much, and there is nothing like being ready for a dark spell of weather should one arrive. Therefore, it will be of advantage not to lose a chance to syringe when the weather is fit, and try to clean out all possible traces of spider. Then if some dark days do come there will be little to worry about, for if the plants are free from this pest they can go quite a while without syringing. There are growers who syringe regardless of weather, but we prefer to stick to some of the old ideas even though they are a little old-fashioned at times. Therefore we would advise all not to syringe unless the day promises to remain clear, and when the plants are not too dry. Syringe in the morning, always, and never fail to shake the plants well after they are syringed. This will take away all the water that hangs on in drops, and it is surprising how much quicker the plants will dry off. Use plenty of pressure, as much as can be used without tearing the plants all to pieces. Syringe as quickly as possible, and always take three rows from the back of the bench, and only one from the front. This will throw the largest part of the water to the front of the bench where the plants will be in better position to stand it. Be careful to clean the corners well, and also wherever the hose meets between the faucets. Use good hose, for there is nothing to be gained by mending hose that is so old that it falls apart. Sell that to the junk dealer, and save your men a lot of trouble and nerve racking by giving them good hose. Men who use it carelessly will need a little looking after, but these are few we hope.

Mr. Ruzicka's notes for next week will be: Lime; Damping Down; Fumigation; Cuttings; Disbudding; Old Beauty Plants; Sand.

THE EXHIBITIONS

THE BOSTON SHOW.

The time-honored annual Chrysanthemum Show of the Massachusetts Horticultural Society was held at Horticultural Hall, Boston, on November 5 to 8, inclusive. It was a good exhibition and well merited a much larger attendance of visitors than was accorded it. The spectacular trained bush plants which formerly give unique dignity to this event are no longer seen but these, if present, would have no particular effect upon the public patronage of the show and there were other prime attractions of recent introduction which should have more than offset the absence of these marvelous products of the gardeners' art. The extensive groups of foliage and flowering plants which flanked the big hall on either side were an indispensable factor in the general effect and were very creditable to the exhibitors. The 1st prize in both classes—300 sq. ft. and 150 sq. ft.—was won by W. W. Edgar Co. Both groups were grand but we liked particularly the light graceful arrangement of the latter, due largely to the free use of pink and white speciosum lilies. The imposing group of R. & J. Farquhar & Co., which did not compete, was recognized by the award of a special silver medal and it was an excellent example of good taste in color placing, especially in the massing of geraniums in pink, white and scarlet.

The orchid groups were also among the prime attractions, the principal exhibitors being F. Dolansky and J. T. Butterworth, both commercial men. We have seldom seen a healthier, richer collection of cattleyas than were staged by Mr. Dolansky in his first prize group. These were interspersed with phalaenopses and Dendrobium Phalaenopsis. J. T. Butterworth had a very graceful group in which oncidiums and odontoglossums figured strongly. J. S. Bailey had the specimen plant groups all to himself except for A. N. Davenport who captured one first and got the silver medal for the best chrysanthemum plant on exhibition. In the commercial chrysanthemum plant groups, Wm. H. Elliott was invincible, as usual. Palms of high degree from Wm. Whitman, Mrs. Frederick Ayer and Mrs. J. L. Gardner, Lorraine and Cincinnati begonias from Mrs. Lester Leland, E. A. Clark and W. W. Edgar Co. completed the winning exhibits in the competitive plant classes. E. S. Webster, gard. Wm. Downs, received a silver medal for three plants of the new Begonia Mrs. Heal and Mrs. Lester Leland, gard. E. H. Wetterlow, a cultural certificate for Begonia Turnford Hall. Edw. MacMullin was recognized with a gratuity for plant groups, T. T. Watt for Platycerium alcicorne and other curious subjects seldom exhibited, and Breck-Robinson Co. for evergreens, Lorraine begonias, etc. Axel Magnusen showed a seedling dark red salvia, too somber and dull in shade to be desirable.

The cut flowers shown in the various classes were the equal of any we have ever seen. H. E. Converse, gard. D. F. Roy, and E. A. Clark, gard. Alex. McKay, were the leaders in most of the Jap. classes with superb

blooms. Not far behind them were Mrs. Lester Leland, W. S. Russell, Galen L. Stone, H. W. Vose, Chas. D. Sias and Mrs. Lothrop Brown. Pompons and singles were shown in great profusion by F. P. Putnam, Mrs. Fred Ayer, Miss Cornelia Warren, E. J. Norman and others. While all these were really very fine yet we must say that the varieties shown by F. P. Putnam and the way they were staged and labeled were the best we have ever seen anywhere. Fully one-half of the many varieties shown by him were seedlings and they were the peers of the named sorts.

One of the best features of the show and a very potent attraction for the visitors was the competitive display of long stemmed chrysanthemums arranged for artistic effect with autumn foliage, in big vases. There was a good number of entries, 1st and 2nd awards going to W. W. Edgar Co., and 3rd to Mrs. J. C. Phillips. These large vases together with the dinner table decorations which we fully described in our issue of last week, filled the greater part of the lecture hall.

There were some fine carnations from A. A. Pembroke, who took 1st in the six vases of fifty each, vase of one hundred mixed, and fifty mixed. S. J. Goddard and Strouts got the 2nd awards. Peter Fisher showed Alice in nice shape and received a first class certificate for it. Littlefield & Wyman and Edw. Winkler each got honorable mention for a seedling carnation. There was no competition for the rose prizes, but Waban Conservatories showed the new light pink Mrs. Moorfield Storey and won a silver medal with it. Mrs. E. M. Gill showed some dipladenias and allamandas.

The fruit and vegetable section was well filled with fine displays of exceptional quality. The innovation of introducing autumn foliage, berries, etc., among fruit collections worked very satisfactorily, modifying the monotony of the rows of plates of apples, etc. E. M. Bruce of Leominster and Parker Bros., of Brookfield were 1st and 2nd respectively for collections of apples so decorated. Edw. MacMullin won the 1st prize and silver medal for an elaborately adorned and rich collection of native and foreign fruit arranged for effect. The most sensational display in the vegetable section was made by the Boston Market Gardeners' Association. It contained forty-two bushel boxes of forty-two sorts of high quality vegetables. The silver medal offered for collection of vegetables exhibited by seedsmen was won by Thos. J. Grey Co.

CHICAGO SHOW.

The Horticultural Society of Chicago held a show at the Art Institute Nov. 9 and 10. The display was not large, but there were some fine blooms and plants shown, the latter mostly in the bush form and in commercial sizes.

There were no cash prizes offered, and only silver and bronze medals with certificate of merit for novelties, and a notice that no cut flowers aside from chrysanthemums and novelties of other flowers, and plants could be received. Notwithstanding these limitations, the display was suf-

ficient to fill three rooms and the foyer of the Art Institute.

The principal exhibitors were Vaughan's Seed Store, Poehlmann Bros. Co., Mt. Greenwood Cemetery Association and E. G. Hill Co., the latter showing Dorner's new rose Hoosier Beauty and a yellow rose seedling of their own, No. 1000.

Chas. H. Totty sent a fine display of pompon and single chrysanthemums, also blooms of the novelties, Mrs. J. Purry Mitchel, white; Mrs. A. S. Watt, white; Earl Kitchner, pink; Mrs. S. Baldwin, yellow; Woodside, yellow.

William Tricker showed his new nymphaea, Mrs. Woodrow Wilson. R. Karlstrom was present with a fine display of novelties in foliage plants from W. A. Manda. Groups of decorative plants were shown by Winterson's Seed Store and Poehlmann Bros. Co. The retail trade was represented by A. Lange and Bohannon Floral Co. with baskets and vases of chrysanthemums arranged very effectively. A specimen plant of William Turner, fully eight feet in diameter, was shown by Mrs. A. C. Allerton and Robert Blackwood. C. S. A. certificate of merit was awarded to Herman Bros. Co., Council Bluffs, Ia., for their new pink pompon chrysanthemum, Queen Marie.

Special silver medals were awarded to Poehlmann Bros. Co., W. A. Manda, Mrs. A. C. Allerton and William Tricker.

Carnations were awarded certificates of merit as follows: J. D. Thompson Co. for Superb, Vera and Hero. Chicago Carnation Co. for Aviator, their new scarlet. The judges were Guy French and Nic. Wietor.

NEW BEDFORD.

The annual Chrysanthemum Exhibition of the New Bedford, Mass., Horticultural Society was held in Library Hall on November 3rd and 4th and certainly reflected great credit on the few who exhibited. Although the exhibitors were few in number the show was not lacking in material and the flowers were as fine as the writer ever saw. The ends of the hall were decorated with groups of foliage plants; the alcoves furnished excellent locations for group displays of chrysanthemums while the center was given up to tables for cut blooms of wondrous size and perfection.

Peter Murray of Fairhaven had a tasty display of palms, ferns and chrysanthemums not for competition, Joseph V. Pierce of New Bedford exhibited a vase of Lady Hillingdon roses of exceptional quality and a vase of carnations in variety which showed excellent culture. A first class certificate was awarded for the roses. James Garthly, formerly gardener for H. H. Rogers, now just entering the florists' field, displayed a fine collection of greenhouse plants, conspicuous among them being several specimens of Nephrolepis muscosa and Nep. magnifica. For these two latter he was given a first class certificate. A vase of 18 blooms of Chrysanthemum William Turner was the centre of attraction, while a vase of 12 Mary Farnsworth was a close second. Among the specimen blooms the following from the

Converse Estate were especially fine—Leila Filkins, Cheltoni, Marquis V. Venosta, Mrs. W. Duckham, Alice Lemon and Adonis.

The awards were as follows:

Group of chrysanthemums arranged for effect, Dr. E. R. Humphries' cup, won by D. F. Roy; 2nd, A. E. Griffin.

Collection of hardy chrysanthemums, H. F. Michell silver medal, won by Peckham Floral Co.; bronze medal by D. F. Roy.

6 blooms, Harry E. Converse, Converse cup won by A. E. Griffin.

18 blooms distinct variety, Galen Stone cup won by D. F. Roy.

6 plants, 6 flowers to a plant, cup won by D. F. Roy.

18 flowers, one variety: Cup offered by T. J. Grey Co., won by A. E. Griffin with a beautiful vase of William Turner.

12 blooms, one variety: Silver medal won by A. E. Griffin with Mary Farnsworth.

Special mention should be made of the groups covering 40 sq. feet, both of which were very fine, competition being close, and the man who could have beaten the cup winner would have had to step some.

W. F. TURNER.

WESTCHESTER AND FAIRFIELD.

Superior quality and tasteful arrangement was a marked feature of the annual fall exhibition of the W. and F. Society held in Germania Hall, New Rochelle, N. Y., Nov. 4-5-6. The largest chrysanthemum bloom was exhibited by Ewen MacKenzie with a splendid specimen of William Turner. A noteworthy feature was the large number of examples of floral decorative work. Twelve baskets, ten centerpieces and fifteen dinner table decorations were in evidence. Pompons and singles were shown in many different ways—pot plants, vases, baskets and also in some of the table decorations, showing the adaptability of these varieties for decorative work. Four splendid trade exhibits were staged and were an attractive feature. Geo. E. Baldwin Co. of Mamaroneck displayed orchid plants in bloom, comprising many rare and choice varieties. A certificate of merit was awarded this exhibit, also to a splendid specimen *Cattleya labiata*. Scott Bros. of Elmsford, N. Y., staged a large collection of singles and pompons, several novelties being awarded a certificate of merit, also their exhibit of *Nephrolepis Elmsfordi*. Scott Bros. were also the winners in the class for 50 carnations with a grand vase of Matchless. The A. N. Pierson Co. exhibited a large and choice lot of chrysanthemums, including singles and pompons, pot plants and cut flowers, for which a certificate of merit was awarded. A certificate was awarded the MacMillan Co. of Greenwich, Conn., for flowers, plants, baskets and made-up work. First prize for table decoration went to Thos. Aitcheson. In the class for ladies only, first went to Mrs. Ewen MacKenzie. Miss B. Scott arranged what was the best basket ever exhibited before this society.

In the bush plant classes W. J. Sealey, E. MacKenzie, A. L. Marshall and Jas. Linane were the principal winners. In the cut flower classes Adam Patterson, Thos. Aitcheson, Ewen MacKenzie, A. Bieschke, A. Wynne, Thos. Ryan, Wm. Whitton, C. Hankenson, P. W. Popp, H. Lehman, Benj. Disley, Joseph Tiernan. In the pompon classes W. J. Sealey, P. W. Popp, Thos. Ryan, Thos. Bell, J. P. Sorenson. Single chrysanthemums: John T. Burns, J. Stuart, E. MacKenzie, C. Hankenson. Vase arranged for effect: 1st, Jas. Stuart; 2nd, Thos. Aitcheson. Vase of 25 sprays, singles: Thos. Ryan. Basket of pompons, 1st, J. P. Sorenson; 2nd, P. W. Popp.

F. R. PIERSON EXHIBIT AT NEW YORK.



The accompanying illustration shows in the foreground a portion of the elaborate collection of *Nephrolepis* exhibited by F. R. Pierson Co., at the Museum of Natural History, New York, also some of the superb vases

Group of flowering and foliage plants arranged for effect: 1st, Jas. Stuart; 2nd, Ewen MacKenzie. Specimen palm classes: Jas. Stuart, E. MacKenzie and A. L. Marshall were the winners. Table plants: 1st, Wm. Graham Greenwich, Conn.; 2nd, E. MacKenzie. Specimen fern classes: Jas. Stuart, A. L. Marshall, Wm. Whitton, Begonia Lorraine; 1st, E. MacKenzie; 2nd, W. J. Sealey. Specimen orchid: Hobart J. Park, gard. A. L. Marshall. Orchid flowers: A. L. Marshall. Roses: J. T. Burns, Louis Wittman, Jas. Stuart, Benj. Disley, W. H. Maginnis, A. L. Marshall, Robt. Grunnert. Carnations: A. L. Marshall, Robt. Grunnert, J. T. Burns, Thos. Aitcheson and Thos. Bell were the most prominent. Violets: 1st, Thos. Bell; 2nd, C. Hankenson. Outdoor roses: 1st, Martin Glendon; 2nd, P. W. Popp. Display of outdoor flowers: P. W. Popp, who also was first for lily of the valley. Bulbous flowers: Jas. Stuart. Annuals: J. P. Sorenson, Essex Fells, N. J. Basket of flowers: Thos. Aitcheson. Stump & Walter cup for vegetables: Joseph Tiernan. Thorburn cup, Adam Patterson. Collection of vegetables: H. Gaut, who also was first for centerpiece for table.

In the other vegetable classes: Robt. Williamson, Owen Hunwick, E. Lewis, A. Patterson, Jas. Linane, Martin Glendon, A. Bieschke, H. Gaut, Robt. Grunnert, Thos. Bell and J. Stuart were successful. Greenhouse grapes: the honors were divided by Robt. Williamson, Adam Patterson. Apples: Wm. Graham. Pears: Thos. Ryan. Outdoor grapes: Henry Gaut, 1st. Muskmelons: 1st, Wm. Graham; 2nd, Owen Hunwick. Basket of fruit and vegetables: Mrs. W. R. Pitt.

The judges were Wm. Turner, Oceanic, N. J.; Jas. Bell, N. Y. City; Samuel Batchelor, Mamaroneck, N. Y.; N. Butterbach, Larchmont, N. Y.; Donald Sheppard, New Rochelle, N. Y.; W. H. Waite, Yonkers, N. Y.

The decisions of the judges were recorded with universal satisfaction.

P. W. POPP.

TARRYTOWN HORTICULTURAL SOCIETY.

The sixteenth annual exhibition of the Tarrytown Horticultural Society was held in Music Hall, Tarrytown, N. Y., on November 4th, 5th and 6th. The exhibits were far superior to those of previous years, both in quality of flowers and plants and their arrangement, the exhibition on the whole being the finest in the vicinity of New York City, reflecting great credit on all who helped to make it such a successful show. There was keen competition in the class for the group of decorative plants, and Wm. B. Thompson and Finley J. Shepard deserve

much praise for the groups shown by them. The tables of decorative plants, were the finest ever shown by the society. The table of orchids by Finley J. Shepard was very beautiful. The exhibits of roses, carnations and chrysanthemums were also especially fine.

F. R. Pierson exhibited a grand vase each of Ophelia and Francis Scott Key roses, each being awarded the Society's silver medal. F. R. Pierson exhibited, also, a fine lot of roses, chrysanthemums, and ferns, which were awarded a certificate of merit. Certificates of merit were awarded also to the following:

Scott Brothers for a fine exhibit of large-flowering, single, and pompon chrysanthemums; Wm. B. Thompson, for seedling verbenas; Finley J. Shepard for seedling *Begonia semperflorens variegata*, Dorothy Gould; Joseph Eastman for Golden Perfection chrysanthemums. A cultural certificate was awarded the Sleepy Hollow Country Club for an exhibit of pumpkins and squash. The table decorations on the second day of the show were particularly interesting, and there was keen competition in this class. A table for exhibition only was put up by Mrs. James Speyer. It was a very artistic creation.

The attendance throughout was very good. On the first day the judges were S. Carlquist, Lenox, Mass., Alexander Mackenzie, Highland Falls, N. Y., and George H. Penson, New Brunswick, N. J.; the second day, James Blair Staatsburgh, N. Y., Robert Williamson, Greenwich, Conn., and Alexander Thompson, Mt. Kisco, N. Y.; the third day, L. A. Martin, Irvington, N. Y., Joseph Mooney, Hastings-on-Hudson, N. Y., and John Featherstone, Tarrytown, N. Y. The public schools were invited to attend the show on Friday.

The list of awards was very lengthy and we shall attempt to give only the most important ones. W. B. Thompson, supt. R. M. Johnson, won the F. R. Pierson cup for the exhibitor receiving largest number of prizes; also the prizes offered by Charles McElroy for table decorations: plants; by W. E. Marshall for cut flowers, cuttings and cuttings; by Peter H. Johnson & Co. for collection of vegetables; and the 1sts in the regular classes. Finley J. Shepard, supt. Chas. R. Russell, won the Mrs. Stuyvesant Fish cup for cut orchids, Henry

Graves, Jr. prize for orchid display, and one 1st in regular classes. Mrs. F. E. Lewis, supt. James Buchanan, won the J. D. Archbold prize for 12 blooms, 12 varieties of chrysanthemums. A. Lewis, supt. John Canning, the Mrs. F. Hermann prize for 20 flowers, 20 varieties; the Mrs. W. C. Osborn prize for 36 blooms, 6 varieties; W. K. Thompson prize for 24 blooms, 12 varieties; Hugh Hill's prize for 12 vases of single and Vaughan's Seed Store prize for 6 plants single stem. Mrs. Carl Vietor, gard. Thos. A. Lee, A. T. Boddington prize for 6 blooms, 6 varieties, and one 1st. Mrs. W. D. Guthrie, gard. Wm. F. Ross, the W. F. McCord cup for vase of 18 blooms. Wm. Rockefeller cup for 18 blooms in 6 varieties, and the prizes by Hugh Hill for best 3 blooms and by Charles Vanderbilt for specimen bloom. Hugh Hill, gard. Robt. Grieve won the H. H. Cannon prize for 12 blooms, 4 varieties; Mrs. C. Neustadt, gard. David Gordon, the Pierson U-Bar prize for 18 blooms, 3 varieties; Miss Blanche Potter, gard. Geo. Wittlinger, Hugh Hill's prize for 12 blooms, 6 varieties, and 4 regular 1st prizes; Charles Mallory, gard. W. J. Sealey, H. Darlington's prize for 6 vases pompons; Winthrop Sargent, gard. F. E. Witney, C. P. Johnson's prize for Lorraine begonias; Dr. L. H. Backland, gard. Jas. Caselli, Burnett Bros.' prize for collection of vegetables.

D. G. Reid, supt. A. W. Golding, won the Stump & Walter cup for collection of vegetables arranged for effect, the special prizes offered by Mrs. J. B. Trevor for 36 carnations, 3 varieties, by H. Darlington for 12 carnations one variety, and by John Wilk for 36 carnations 6 varieties, and five regular 1st prizes. R. Delafeld, gard. William Brock, won the Mrs. Stuyvesant cup for 12 Killarney Queen roses, Mrs. Jas. Speyer's cup for 12 Pink Killarney, A. Lewisohn's cup for 50 roses, R. Langley's prize for 12 White Killarney, an anonymous special for Killarney Brilliant, and two other 1st prizes; Eugene Meyer, Jr., gard. Chas. Ruthven, Mrs. H. F. Osborn's prize for 12 roses, and the Lord & Burnham gold medal for 18 roses, 3 varieties; F. C. Luckenbaker, Mrs. I. N. Seligman's prize for basket of flowers; W. H. Waite, F. M. Warburg's prize for table centerpiece; A. W. Golding, R. B. Dula's prize for bridal bouquet; M. Fitzgerald, special for dinner table decoration.

In the regular schedule classes 1st prizes were also awarded as follows: F. W. Vanderbilt, gard. Henry J. Allen, four; E. Berolzheimer, gard. Wm. Jamieson, four; Dr. C. C. Brace, gard. Geo. McIntosh, three; Richard Langley, two; Samuel Ullmann, gard. Robt. Sharp, two; H. C. Neubrand, Walter D. Blair, Miss Belle Scott, Wm. See, Clarence Whitman, gard. Wm. Will, Mrs. W. H. Pullan, Mrs. J. B. Trevor, gard. Howard Nichols, D. G. Oppenheimer, gard. A. MacDonald, F. R. Pierson, Mrs. F. E. Lewis and Elmsford Nurseries, one each.

Among those not mentioned heretofore who participated in the 2nd awards were Paul M. Warburg, gard. F. C. Luckenbaker, H. F. Osborn, gard. Wm. Ritchie, Joseph Eastman, gard. Robt. Angus, Sleepy Hollow Country Club, supt. A. W. Myers, Mrs. Isaac N. Seligman, gard. M. McPherson, R. M. Johnston, Joseph Erdman, Mrs. Stuyvesant Fish, supt. Wm. MacBean, Howard Soar, R. D. Neubrand, Irving T. Rush, gard. Edw. Tretheway and J. W. Smith, gard. Frank Shaw.

NASSAU HORTICULTURAL SOCIETY.

The 10th annual Chrysanthemum Show of the Nassau County Horticultural Society was held at Glen Cove, N. Y., Oct. 29th and 30th, and there was a fine display of well finished chrysanthemums, carnations, roses, vegetables, etc. The judges were Messrs. R. Angus, A. Griffin, W. Turner and J. Bell. Among the prominent exhibits, the class for 50 vases in 50 varieties of hardy pompons attracted the most attention, as both exhibitors had already won the cup for this class twice each and this year was the deciding one for final ownership. It was won by Henry Gaut, gard. to Mrs. H. L. Pratt, and John W. Everitt, gard. to Mrs. J. T. Pratt was 2nd. J. W. Everitt won the cup for table decoration with a pretty table done with a new pink single seedling chrysanthemum named Ernest Westlake, Jr. Henry Gaut was 2nd with Dorothy Dan;

Jos. Adler 3rd with Peter Pan; F. Honeyman 4th with a bicolor of a very pretty bronze shade, and J. Hayes 5th. There were eight entries for this class. The society's cup for 12 kinds of vegetables was won by A. G. Hodenpyle, gard. F. Petroccia with a clean grown lot of vegetables. Mrs. H. L. Pratt 2nd. A splendid programme of music was given each day.

C. A. Coffin special—Group chrysanthemums arranged for effect: 1st, Percy Chubb, gard. F. Honeyman; 2nd, Mrs. H. L. Pratt, gard. Henry Gaut.

H. S. Ladew special—Double standard: 1st, Mrs. J. H. Ottley, gard. James MacDonald; 2nd, Mrs. H. L. Pratt.

Standard Single: 1st, Percy Chubb; 2nd, W. H. Harkness, Esq., gard. A. Fournier.

Lord & Burnham special—Bush double: 1st, Percy Chubb; 2nd, Mrs. Ottley.

Bush single: 1st, Percy Chubb; 2nd, Mrs. Harkness.

Peter Henderson special—6 plants in 6-inch pots: 1st, Mrs. W. D. Guthrie, gard. A. Ross; 2nd, Percy Chubb.

Andrew Wilson special—6 vases, 6 varieties: 1st, Mrs. Guthrie; 2nd, Percy Chubb.

Chas. H. Totty special—Vase 8 blooms, 1 variety: 1st, Mrs. Guthrie; 2nd, Mrs. Ottley.

Mrs. W. H. Bucknall special—6 blooms, 6 varieties: 1st, Mrs. Guthrie; 2nd, Percy Chubb.

Arthur T. Boddington special—6 blooms, 6 varieties: 1st, Mrs. J. T. Pratt; 2nd, Payne Whitney, gard. L. G. Forbes.

Rev. J. W. Gammack special—12 blooms, 12 varieties: 1st, Percy Chubb; 2nd, Mrs. Guthrie.

Burnett Bros.' special—3 vases, 2 blooms each: 1st, Payne Whitney; 2nd, Mrs. J. T. Pratt.

Mrs. D. Burns special—12 blooms arranged for effect: 1st, Mrs. Guthrie; 2nd, Mrs. H. L. Pratt.

Chas. H. Totty medals for 2 blooms Mendon: Gold medal, Mrs. Guthrie; silver, Mrs. H. L. Pratt; bronze, Mrs. Ottley.

Pierson U-Bar Co. special—12 blooms, 3 varieties: 1st, Percy Chubb; 2nd, Mrs. Guthrie.

Six pink: 1st, Mrs. W. L. Harkness; 2nd, Mrs. C. D. Brewster, gard. J. Fogarty.

Six, any other color: 1st, Mrs. Guthrie; 2nd, Payne Whitney.

F. B. Edmonds special—Largest bloom in the Show: Mrs. Guthrie.

Vaughan Seed Store special—18 vases hardy chrysanthemums, 18 varieties grown and flowered outdoors: 1st, Mrs. H. L. Pratt; 2nd, Mrs. J. C. Ayer, gard. Harry Jones.

M. Stapleton special—12 vases singles: 1st, Mrs. J. L. Pratt; 2nd, Percy Chubb.

Glen Cove Echo special—6 vases singles: 1st, Mrs. H. L. Pratt; 2nd, Paul Dana, gard. James Gladstone.

One vase singles: 1st, Percy Chubb; 2nd, Mrs. J. T. Pratt.

Titus & Bowne special—12 American Beauty roses: Mrs. Guthrie.

Miss Marion Peck special—12 yellow roses: 1st, Mrs. J. C. Ayer; 2nd, Mrs. Guthrie.

12 pink roses: 1st, Mrs. Guthrie; 2nd, Percy Chubb.

12 red roses: 1st, Percy Chubb.

12 Tea or H. T.: 1st, Payne Whitney; 2nd, Percy Chubb.

Cottage Gardens Co. special—Carnations in five classes: Mrs. Guthrie 1st in 4 classes, Percy Chubb in 1.

Bon Arbor Chemical Co. special, 2 classes: 1st, Mrs. Guthrie; 2nd, Payne Whitney and Percy Chubb.

Pino Lyptol Co. special—100 single violets: 1st, Mrs. J. T. Pratt; 2nd, Mrs. J. C. Ayer.

50 single violets: 1st, Thos. Leeming; 2nd, Mrs. C. F. Cartledge.

Mrs. F. S. Smithers special—Outdoor flowers: 1st, Mrs. G. D. Pratt, gard. J. F. Johnston; 2nd, Mrs. Ottley.

Nassau County Horticultural Society's cup for vegetables: 1st, A. G. Hodenpyle; 2nd, Mrs. H. L. Pratt.

R. Meserole special—6 kinds vegetables: 1st, Mrs. Ottley; 2nd, Mrs. W. V. Hester, gard. Herman Boettcher.

Hitchings & Co. special—Flowering and foliage plants: Percy Chubb.

Julius Roehrs special—Orchids: Percy Chubb.

J. M. Thorburn special—Begonia Gloire de Lorraine: Mrs. Guthrie.

C. M. Underhill special—Ferns: Thos. Leeming; 2nd, Mrs. H. L. Pratt.

Certificate of merit to H. Gaut for new bronze seedling single chrysanthemum. Honorable mention to A. Fournier for two grafted standard chrysan-

themums. James Gladstone was manager of the show.

HARRY JONES, Cor. Sec'y.

TUXEDO HORTICULTURAL SOCIETY.

The annual flower show of the Tuxedo Horticultural Society was held in Tuxedo Club on 30th, 31st October and 1st November, it being the finest show the Society has ever held, in most of the classes competition being very keen. There is nothing we could specially mention as being a feature of the show as all the exhibits were of very high quality. The chrysanthemums were the best that had been shown here. D. S. Millar won in the 18 distinct varieties with W. E. Tricker, Daily Mail, Woodmason, G. Drabble, Wells' Late Pink, Mrs. R. H. Boggs, Lady Hopetown, Wm. Kleinheinz, F. S. Vallis, Gertrude Peers, James Fraser, Mrs. H. Stevens, Mrs. R. C. Pulling, Pockett's Crimson, Mrs. Ernest Wild, Mrs. G. W. C. Drexel, Rose Pockett, Wm. Turner, Thos. Wilson won in the twelves with Wm. Turner, Mrs. D. Syme, Hetty Wells, H. E. Converse, W. E. Tricker, Georgeous, Wm. Kleinheinz, Rose Pockett, Daily Mail, Mrs. G. W. C. Drexel, Nakota, M. Louiseau Rousseau. The groups of miscellaneous plants, chrysanthemums and ferns were all very fine and tastefully arranged. Roses were, we may say, shown to perfection; in the class for 18 pink, Mrs. C. Russell was shown by Wm. Brock, D. S. Millar and Mr. Tansey with six-foot stems. There was good competition in all the classes of carnations, Joseph Tansey, gard. to H. M. Tilford, winning the Hitchings cup for the most meritorious exhibit, also the Alphano Humus Co. cup for group of chrysanthemums, the president's prize for the best vase of roses in the show with a vase of 12 Sunburst and the Julius Roehrs prize for plant groups. D. S. Millar won the New York Stable Manure Co. cup for six chrysanthemums, 12 roses, 12 carnations. The judges were R. Williamson, A. Bieschke and W. H. Waite.

Other special prize awards were as follows:

Dreer prize for group of ferns, Mrs. M. C. Bell, gard. David McIntosh; Weeber & Don prize for lily of the valley, H. M. Tilford; Bon Arbor Chemical Co., prize for standard chrysanthemums, R. Mortimer, gard. C. D. Schaeffer; Scott Bros. prize for 18 chrysanthemums, 18 varieties, G. G. Mason; Totty prize for single chrysanthemums, introductions of 1914, Mrs. J. Murray Mitchell, gard. Thomas Wilson; A. N. Pierson prize for 12 Hadley roses, R. Delafeld; Thorburn prize for collection of vegetables, Mrs. S. Spencer, gard. E. Barth; Wilk prize for 18 vegetables, G. G. Mason; Stump & Walter prize for 9 vegetables, C. B. Alexander, gard. W. Hastings; Burnett Bros. prize for exhibit of farm produce, Arden Farm Co., Mr. W. Viner; Burpee prize for Tuxedo village vegetables, Wm. Devenzo; W. F. McCord prize for dinner table decoration, G. E. Baker, gard. Jas. MacMachan; Boddington prize for centre piece by greenhouse assistants, 1st Alex. Roy, 2nd Wm. Grantham; Bieschke prize for floral piece, H. M. Tilford; Lager & Hurrell prize for orchid plant, G. E. Baker; Dreer prize for collection of hardy flowers, Mrs. A. Spencer.

In addition to the foregoing we find in the long list of winners kindly sent by Secretary Thomas Wilson the following names, our space not permitting a detailed list of the various classes:

D. Wagstaff, gard. Thos. Lyons; A. Seton, gard. Patrick Cassidy; Mrs. A. Carhart, gard. Chas. Cockick; Mrs. J. Wolfe and Mrs. L. Chandler.

INDIANAPOLIS.

The combined efforts of the State organization and the Chrysanthemum Society of America last week, at Indianapolis, brought out a very fine exhibition.

Special Prizes.

The cup for the best 10 blooms was won by Thomas Page, Great Barrington, Mass., with variety, Mrs. J. C. Neil.

Elmer D. Smith & Co.'s prizes for 15 blooms considered from a commercial standpoint: 1st, E. G. Hill Co.; 2nd, Elmer D. Smith & Co.

A. N. Pierson, Inc., prize for Pompon Golden Climax; Mt. Greenwood Cemetery Association.

Philip J. Foley prize for best 10 blooms not disseminated: Elmer D. Smith & Co.

Totty prizes for six blooms of Mendon: Howard Gould.

Vaughan's Seed Store, cup for singles and pompoms: A. N. Pierson, Inc.

Wm. Wells' prizes for two blooms, James Fraser: Howard Gould, gold medal; E. G. Hill Co., silver medal.

Dreer prize for best 10 blooms, one variety, introductions of 1913 and 1914: E. G. Hill Co.

Lord & Burnham Co. prize for six vases, six varieties; gold medal, Howard Gould.

President Kleinheinz cup for 10 blooms, one variety, white: E. G. Hill Co., with variety Wm. Turner.

H. E. Converse's cup for 10 blooms H. E. Converse: Howard Gould.

H. F. Michell Co. prizes for best 12 blooms, 12 varieties: 1st, Howard Gould; 2nd, Elmer D. Smith & Co.

Hitchings & Co. sweepstake cup for most meritorious exhibit: Baur & Steinkamp.

Elmer D. Smith & Co. prizes, vase of Chrysolora: 1st, Elmer D. Smith & Co.; 2nd, Hartje & Elder.

F. Dörner & Co. prizes for 12 blooms Major Bonnaffon: 1st, Hartje & Elder; 2nd, Baur & Steinkamp.

E. G. Hill Co. prize for 12 blooms Chieftain: Fred H. Lemon & Co.

Ionia Pottery Co. cup for 25 blooms, assorted colors, in one vase: E. G. Hill Co.

The certificate of merit for undisseminated seedling or sport, scoring not less than 85 points: H. W. Rieman, Indianapolis, Ind., 92 points; E. G. Hill Co., 89 points; A. N. Pierson, Inc., 88 points; Mt. Greenwood Cemetery Ass'n, 86 points.

The State Florists' Association of Indiana awarded a silver cup as sweepstakes in this class.

Regular Awards.

Specimen, bush form: 1st, Pahud Floral Co., Indianapolis; 2nd, Bertermann Bros. Co., Indianapolis; 3rd, Claypool Hotel Florist, Indianapolis.

Six plants, bush form: Claypool Hotel Florist; Pahud Floral Co.; Bertermann Bros. Co.

Twenty-five single stem, 3 classes: Baur & Steinkamp.

Group of chrysanthemum plants arranged for effect: Bertermann Bros. Co.; Pahud Floral Co.; Hartje & Elder.

Fifty blooms, arranged for effect in one vase: 1st, E. G. Hill Co., Richmond, Ind.; 2nd, Mt. Greenwood Cemetery Ass'n, Chicago (Chas. W. Johnson, Supt.); 3rd, Fred H. Lemon & Co., Richmond, Ind.

Twenty-five blooms, white, one variety: E. G. Hill Co.; Baur & Steinkamp; Bertermann Bros. Co.

Twenty-five pink: E. G. Hill Co.; A. N. Pierson, Inc.; Mt. Greenwood Cemetery Association.

Twenty-five yellow: Howard Gould, Castlegould, Pt. Washington, N. Y., gard.; Wm. W. Vert; Bertermann Bros. Co.; B. F. Hensley, Knightstown, Ind.

Twenty-five bronze: Howard Gould; Elmer D. Smith & Co., Adrian, Mich.; E. G. Hill Co.

Twenty-five red: Mt. Greenwood Cemetery Ass'n; Elmer D. Smith & Co.; E. G. Hill Co.

Six blooms white, one variety: E. G. Hill Co.; Mt. Greenwood Cemetery Ass'n.

Six pink: E. G. Hill Co.; A. N. Pierson, Inc.

Six yellow: A. N. Pierson, Inc.; Elmer D. Smith & Co.

Six bronze: Mt. Greenwood Cemetery Ass'n.

Six red: Mt. Greenwood Cemetery Ass'n; Elmer D. Smith & Co.

Largest individual blooms: 1st, E. G. Hill Co.; 2nd, B. F. Hensley; 3rd, A. N. Pierson, Inc.

Six varieties, three blooms of each: E. G. Hill Co.; B. F. Hensley.

Twenty-four blooms, in 24 varieties: E. G. Hill Co.; Elmer D. Smith & Co.; Howard Gould.

CHRYSANTHEMUMS AT CORNELL UNIVERSITY.



CHRYSANTHEMUMS

In the Greenhouses of the Dept. of Floriculture at Cornell University.

Every fall the Department of Floriculture gives a special exhibition of chrysanthemums for the benefit of the students, faculty and townspeople. This exhibition is planned to be educational and to illustrate different methods of culture and training, as well as different types of blooms. The blooms in the University greenhouses were better than ever this year in spite of the exceedingly warm weather of the last month.

The public exhibition was held on Saturday afternoon and evening, Oct. 31, and was very largely attended. Aside from the chrysanthemums grown at the University, a splendid collection of varieties was sent by the following: Elmer D. Smith, Adrian, Mich.; Pittsburgh Cut-Flower Co., Pittsburgh, Pa.; E. C. Ludwig Floral Co., Pittsburgh, Pa.; Pennock-Meehan Co., Phila., Pa.; W. W. Edgar Co., Waverley, Mass.; W. J. Palmer & Son,

Buffalo, N. Y.; W. F. Kasting & Co., Buffalo, N. Y.; Anton Schultheis, College Point, N. Y.; and the U. S. Cut-Flower Company of Elmira, N. Y. Many exhibitors sent roses, carnations and other flowers in addition to chrysanthemums. The two retail stores in Ithaca each exhibited a table decoration. The Bool Co. had a Hallowe'en table in delicate yellow, and the Hill-side Floral Co. had a decoration of pink chrysanthemums. The class in amateur floriculture showed a number of table decorations for luncheons. These were planned to show simple designs such as could be used in the home.

The Department of Floriculture appreciates the cordial cooperation shown by the many florists in various parts of the United States. Their assistance helps wonderfully in demonstrating to the students what is being done along practical lines.

Vase of 100 sprays of pompoms, assorted colors, arranged for effect: Baur & Steinkamp; Mt. Greenwood Cemetery Ass'n; Fred H. Lemon & Co.

Vase of 100 sprays, singles: E. G. Hill Co.; Hartje & Elder; Fred H. Lemon & Co.

Ten vases of pompoms, in 10 varieties: A. N. Pierson, Inc.; Mt. Greenwood Cemetery Ass'n; Chas. H. Totty, Madison, N. J.

Ten vases singles, in 10 varieties: A. N. Pierson, Inc.; Hartje & Elder; Chas. H. Totty.

ASBURY PARK, N. J.

With a display of choicest chrysanthemums, rare tropical plants and a varied assortment of orchids, the annual fall flower show of the Elberon Horticultural Society opened Tuesday evening, Nov. 3, in the boardwalk Casino. The Casino presented a most attractive appearance with the blending of natural blossoms and electrical floral decorations. Every detail, as to setting and background for the choice blossoms to appear at their best, had been carefully planned.

The exhibition of chrysanthemums this year far surpassed any previously seen here and the public interest was very great. To the right and left of

the Casino was banked a gorgeous display of tropical plants, while the center is given over to the orchids. The east end was banked high with single and double chrysanthemums interspersed with ferns. Scattered through the exhibition was a splendid assortment of palms and ferns. The balcony was given over to cut flowers including single chrysanthemums, carnations, violets and roses in baskets and vases, choice fruits and vegetables. Here also was displayed the amateur results in the growing of hardy chrysanthemums.

Among the chief exhibitors were:

R. Guggenheim, gard. Robt. Allen; Fredk. Frohnhagen, gard. Geo. Masson; Max Kuschka; B. Myers; Mrs. Washington Wilson, gard. C. O. Duncan, D. Guggenheim, gard. Chas. Burn; Henry Goldmann, gard. A. Bauer; B. J. Greenhut, gard. D. C. Kelley; C. A. Wimpfheimer, gard. Thos. Hambleton; George Gould, gard. Joseph Mills; H. S. Borden, gard. Percy Hicks; S. M. Goldsmith; W. R. Seymour; Newman & Legg; Sam'l Riker, gard. Chas. Dewilde and Mrs. Hamilton Kenn.

The gold, silver and bronze medals offered by Wm. Wells & Co., for two blooms of Mendon were won by D. C. Kelley, Percy Hicks and A. Bauer, res-

chell medal for five blooms, C. O. Duncan the Hitchings cup for artistic arrangement of chrysanthemum flowers. Robt. Allen the Vaughan jardiniere for freshest blooms and C. O. Duncan the Hambleton prize for most winnings in vegetable classes.

A fine feature of the show was the display of dinner decorations on Friday. Eight competitors entered the lists. George Masson was 1st with a fine combination of Irish Fire Flame roses and Bouvardia Humboldtii; A. Bauer 2nd with Cattleya labiata and schinzanthus. Other tables were by Chas. Hurn with cypripediums and Adiantum Farleyense; D. C. Kelley, cattleyas, bouvardia and asparagus; Robt. Allen, Sunburst roses, lily of the valley, croton leaves, etc.; C. O. Duncan, hardy chrysanthemums in pumpkin-shell baskets; Thos. Hambleton with Castle Gould celosia and ferns and Joseph Mills with Gloriosa superba.

PROVIDENCE, R. I.

The annual November exhibition of the Rhode Island Horticultural Society held on November 3 and 4 in the parlors of the Mathewson street M. E. church was freely commented upon by visitors as a pronounced success. All departments of horticulture and floral art were well represented. Roses were shown in profusion by Burke & Burne and M. Macnair; carnations by J. A. Macrae, Maplehurst Greenhouses, E. E. Howard and R. J. Taylor; chrysanthemums by J. A. Macrae, F. C. Hoffman, M. Macnair, R. I. Hospital, Mrs. E. Osborne and Mrs. Samuel Brown; palms and foliage plants by Wm. Appleton; baskets of chrysanthemums, bouquets, etc., by T. J. Johnston & Co. and Johnston Bros. The fruit and vegetable classes were well filled.

DOBBS FERRY.

The thirteenth annual flower show of the Dobbs Ferry, N. Y., Horticultural Society held in the village hall Friday and Saturday, Nov. 6 and 7, was a great success and much credit is due its officers: Claude Wilson, president; H. Keiling, vice-president; H. Harms, secretary; H. Wells, treasurer; P. Clinton, corresponding secretary. The exhibition committee were: H. Keiling, manager; H. Harms, secretary; H. Wells, treasurer.

The Association in opening its exhibition thanked its numerous patrons and friends, who by their liberal support have enabled it to make its past exhibitions a success; also for the liberal support received toward the exhibition this year.

There were 48 classes in the schedule, of which 12 were for fruit and vegetables. Prominent among the prize winners in the plant and flower sections were J. Andward, Mrs. D. E. Oppenheim, gard. A. McDonald, Mrs. F. Dunn, gard. T. Richardson, J. A. Townsend, gard. E. Howe, I. T. Bush, W. H. Brown, gard. Mr. Holgerson, C. Wilson, Mrs. J. Fraser, gard. H. Harms, Mrs. Henry Draper, gard. H. Wells, D. F. H. Backland, gard. J. Caselli, St. Christopher's Home, gard. P. Clinton, J. Anderson, H. Keiling. A number of special honorary awards were made to Scott Bros. of Elmsford, N. Y.

Many of the prizes were specially contributed by trade houses and amateur patrons of horticulture.

BUFFALO BOTANICAL GARDEN.

The Buffalo City Botanical Garden has a chrysanthemum show and Director Cowell presents many rare and strange specimens. The first day's opening being on Sunday which set in with an all day rain did not keep the crowd away and it was highly gratifying. This is the best show ever had at the Garden and many blooms seen there could not be seen in any other place in the world. One of the most interesting is Dawn, a dull copper colored bloom and in artificial light a coppery bronze. A new French variety is Arvede Barine, yellow, hairy. One of the most interesting exhibits is a large group of the original yellow chrysanthemum species from China. Banked up against these venerable but not imposing ancestors were white blooms having the circumference of 26 inches, some of the stems being 7 feet high. There is a handsome deep red new one which is named after Postmaster Wm. F. Kasting. The show will last until Nov. 22. E. C. B.

The annual display of chrysanthemums by the park board of Minneapolis, Minn., opened Nov. 8 at the Lyndale Farmstead and will continue two weeks. At the close of the show the choicest blooms will be distributed among the hospitals.

PARK INSTITUTE OF NEW ENGLAND.

Pursuant to a call issued to citizens and officials in New England states interested in Municipal Parks and Playgrounds, a meeting was held in Hartford, Conn., and organization was effected under the above title. Six meetings each year are contemplated.

George H. Hollister, superintendent of Keney Park, was elected manager of the Institute. His address is No. 272 Westland street, Hartford, Conn. Mr. Hollister is from old New England stock, a graduate of the Connecticut Agricultural College in 1902, where he remained for two years as an assistant professor of horticulture. Then for three years he was assistant entomologist for the Connecticut Experimental Station, among other duties having direct charge of the gypsy moth work. Four years ago he was appointed foreman of Keney Park, and has been its superintendent for the last two years, in which position he has been eminently successful. Mr. Hollister is a young man with a bright future before him, a most faithful worker and a diligent student, just an ideal man to direct the fortunes of the Park Institute of New England.

At the Hartford meeting eleven cities were represented by park officials from Boston, Providence, Worcester, Springfield, Hartford, New Haven, Waterbury, New Britain, Northampton, Holyoke and Naugatuck. About three-fourths of the population that live in cities in New England were represented at this time. The next meeting will probably be held about the middle of December, and it is hoped that all the cities of New England will have a representative present.

The Institute is open to all who are interested in municipal park work, whether park officials or not, and it is hoped all interested will write to Mr. Hollister for the program of the next meeting.

VISITORS' REGISTER.

Boston—W. C. Langbridge, Cambridge; N. Y.; W. C. Clark, Scranton, Pa.

Indianapolis, Ind.—Chas. L. Baum, president of Knoxville Florists' Society.

New York—D. A. Spear, Hartford, Conn.; Louis J. Reuter, Westerly, R. I.; E. Allan Peirce, Waltham, Mass.

St. Louis—Guy Reyburn, representing A. Henderson Co., Chicago; Robt. Newcomb, representing Vaughan's Seed Store, Chicago.

Knoxville, Tenn.—A. Zirkman, representing M. Rice Co., Phila.; Walter Mott, representing Hammond's Slug Shot Works, Beacon, N. Y., and several Holland bulb salesmen.

Washington, D. C.—C. B. Knickman, New York; Richard Vincent, Jr., White Marsh, Md.; Bert W. Anson, Maryland Agricultural College, College Park, Md.

Cincinnati—J. H. Broxey, Dayton, Ohio; Ellis Woodworth, representing the Sefton Mfg. Co., Chicago; Chas. L. Baum, Knoxville, Tenn., and O. D. Bramman, representing the Johnston Tin Foil & Metal Co., St. Louis, Mo.

Tuxedo Park, N. Y.—J. Muller of Julius Roehrs Co., Rutherford, N. J.; Mr. Edmonston of Wilson & Edmonston; H. Winter of Winter & Sons, New York; John Scheepers; John Low of Peter Henderson & Co.; A. L. Don of Weeber & Don; W. C. Rickards of Thorburn & Co., all of New York City; John Brock, Greens Farms, Conn; G. B. Wilson, Jericho, L. I.

Philadelphia, Pa.—C. L. Washburn and his son, E. B. Washburn, Chicago, Ill.; Myer Heller, New Castle, Indiana; E. G. Hill, Richmond, Indiana; Mr. and Mrs. A. L. Yeager, Allentown, Pa.; H. Lehr, Isaac H. Moss and Chas. Siegener, Baltimore, Md.; Ernest Ashley, Allentown, Pa.; John Young, New York; P. Welch, Boston; Thos. Roland, Nahant, Mass.; George Asmus, Chicago.

Chicago—R. Karlstrom, representing W. A. Manda, South Orange, N. J.; B. Katzwinkel, proprietor Restland Floral Co., Mendota, Ill.; Mrs. M. E. Irby of the Flower Shop, Memphis, Tenn.; W. A. Kennedy of the C. C. Pollworth Co., Milwaukee, Wis.; R. F. Smith of the Joy Floral Co., Nashville, Tenn.; T. B. Commandros of the Golden Rule Flower Dept., St. Paul, Minn.; Wm. Desmond of Donaldson Co., Minneapolis, Minn.; W. E. Trimble and Mr. Jennings of the Trimble Greenhouse Co., Princeton, Ill.; E. G. Hill, Richmond, Ind.

NEWS NOTES.

Worcester, Mass. — Frank L., son of Mr. and Mrs. Leonard C. Midgley, and Miss Marion L. Hero, daughter of Mr. and Mrs. Butler W. Hero, were married on November 7.

St. Louis—Robert Aull, former Park Commissioner, is at the Jewish Hospital suffering from a stroke of paralysis which came on him last Friday. Mr. Aull has many friends in the trade who will be sorry to read this bit of news.

The Chrysanthemum show at Shaw's Garden is drawing large crowds daily, and is said to be the finest display the garden has yet held.

CLUBS AND SOCIETIES

FLORISTS' CLUB OF WASHINGTON.

The Florists' Club of Washington, at their November meeting, were addressed by Richard Vincent, Jr., of White Marsh, Md., and by Prof. Bert W. Anspen, of the Maryland Agricultural College. Mr. Vincent's talk was on chrysanthemums. In his boyhood days, he said, pompons were the leaders, but that later considerable interest was taken in the larger varieties, with the result that the former soon lost all favor. About twenty years ago he decided to resurrect the pompons and so successful was he that he soon earned the title of the "father of the pompon." When it was noted that he was going after this business on a large scale, others followed. In conclusion he declared that he would continue the production of pompons as long as he lived, and told a very amusing story of how he had demanded recognition of these flowers at a meeting of the chrysanthemum society in New York some ten years ago.

Prof. Anspen, in telling of the work being accomplished by the Maryland Agricultural College, declared that, for some reason or other, florists as a rule do not co-operate with the colleges as much as they should. The colleges, he said, are trying to aid the florists in the solving of various troubles. He told of the facilities of the college for the classification of plants, of the productive value thereof; qualities of various fertilizers, and other things of true value to the growers. He roundly scored the latter on this point and urged that advantage be taken of the experiments conducted by the college.

William F. Gude had a few words to say upon the trip to the Panama Pacific Exposition in 1915, and in concluding his remarks extended the members an invitation to visit the chrysanthemum show then in progress at the store. This was immediately accepted, but before adjournment a vote of thanks was extended to Mr. Vincent and to Theodore Diedrich, both of whom had on display several vases of small double and single chrysanthemums and pompons, and to David G. Grillbortzer, who had sent in a vase of what was conceded to be the finest Killarney Brilliant roses ever seen in this locality at this time of the year.

LENOX HORTICULTURAL SOCIETY.

The annual meeting of the Lenox Horticultural Society was held on Saturday, Nov. 7th. Officers were elected for the following year as follows: George Breed, gardener to Mr. Joseph Choate, Stockbridge, president; Walter Jack, gardener to Mrs. Alexander, Lenox, vice-president; Alfred J. Lovell was again elected treasurer; George Instone, secretary; John Mair, assistant secretary. A motion that the society change its meeting night to second Wednesday in month will be voted on at next meeting. The judges of the fall show were extended a hearty vote of thanks for services rendered, also committee of arrangements.

There was considerable debating on the right and wrong way of exhibiting

sprays of chrysanthemums. At our fall show several persons made glaring mistakes, giving the judges and committees unnecessary work.

A proposition that we hold a floral and agricultural show combined next summer instead of two summer shows was looked upon with great favor, and a committee will be appointed by our next president to draw up some sort of an outline for same.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The club had a good meeting on Nov. 3 in the Fort Pitt Hotel. It was Chrysanthemum Night, which is always a good drawing card. The Pittsburgh Cut Flower Co. showed the standard commercial sorts. Jno. Costoff, gardener for Wm. Flinn at Beechwood Farms showed a good vase of flowers grown two blooms to a plant. Carl Becherer, gardener at Dixmont Hospital, showed a collection of seedlings—both singles and doubles. Yellow Star was a good single, and there were other good ones under numbers. Mr. Becherer is quite active in hybridizing and raising seedlings, and we look for something of much value from him one of these days.

The Bureau of Parks from both the N. S. and Schenley showed good displays. Jno. W. Jones of Schenley Park showed the type—Chrysanthemum indicum—and it was interesting to compare it, for example, with Wm. Turner, and note the changes that had been made by man. Mr. Jones thinks Wm. Turner still the best white. T. Tyler with C. D. Armstrong, staged Brasso-Cattleya Heatonensis, Laelio-Cattleya Sunday, Catt. Luegae, and a yellow sport from Anna chrysanthemum. To Mr. Becherer was awarded a certificate of merit for his seedling chrysanthemums and to Mr. Tyler a cultural certificate for his orchid novelties. To the other exhibitors a vote of thanks.

At the October meeting P. S. Randolph & Sons invited the club members to visit their new plant on the afternoon of October 29. The invitation was accepted by between thirty and forty members. The affair was very enjoyable and the secretary was instructed to write a letter to the firm expressing the club's appreciation of their kindness and hospitality.

M. H. Hart read a paper on the Effect of Electricity on the Soil for which he received a vote of thanks.

H. P. JOSLIN, Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of this club will be held at Horticultural Hall, Boston, on Tuesday evening, November 17, at 8 o'clock. W. N. Craig of Brookline will read a paper on The Gardener and His Profession. The annual nomination of officers will be made at this meeting. There will be a good display of late chrysanthemums and other flowers. A small number of additional students can be cared for in the landscape classes. A prompt application, however, is necessary.

W. N. CRAIG, Sec'y.

ALBANY FLORISTS' CLUB.

The regular monthly meeting of the Albany Florist Club was held at the Albany Cut Flower Exchange on Thursday, Nov. 5. President Henkes being on a hunting trip, vice-president Frank R. Bilson took the chair. The candidates for membership, J. Berg and M. Selinker were elected members. F. A. Danker reported progress as committee for the trip to California next August. Mr. Danker's motion that the club hold a flower show in 1915 was carried, and he was appointed to call on the trustees of the Institute & Historical Society in regard to the use of their hall.

Nominations on the regular ticket for 1915 are Frank R. Bilson for president; Thos. F. Tracey for vice-president; Robert Davidson for secretary; F. Williams for treasurer; Geo. Christie, John J. Haggerty and Wm. Quinn for two-year trustees. The opposition ticket is Edw. P. Tracey for president; James H. Snyder for vice-president; Robert Davidson for secretary; Fred Henkes for treasurer; Chas. Sanders and Wm. Hannell for two-year trustees. An essay was read by F. A. Danker on the culture and use of chrysanthemums both for show and commercial use.

A very fine exhibit of new chrysanthemums was sent by A. N. Pierson and the secretary was instructed to send a vote of thanks for same. President Henkes extended an invitation to a venison supper on his return from the Adirondacks. The next meeting will be held at the Exchange on Thursday Dec. 3, when election of officers will take place.

The club will have a banquet on Jan. 7, 1915, when installation of the new officers will take place, under charge of L. H. Schaefer, chairman of the entertainment committee. James H. Snyder will give a reading on violet growing, their use, diseases and experience he has had with them.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that J. A. Peterson, Cincinnati, Ohio, offers for registration the Begonia described below. Any person objecting to the registration, or to the use of the proposed name is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description—New winter-flowering begonia, "Mrs. J. A. Peterson;" seedling from Begonia Socotrana x Gloire de Sceaux; flowers deep cerise-pink changing to dark red with age, borne in great profusion from October till March; at its best during December and January; foliage similar to that of Lorraine, but of an iridescent bronzed; decidedly distinct from all other varieties. Has been in our possession for the past three years, and its keeping qualities are all that could be desired.

Name, "Mrs. J. A. Peterson."

JOHN YOUNG, Sec'y.

Nov. 7, 1914.

NEW YORK FLORISTS' CLUB.

The news of C. H. Totty's serious illness, of course, threw a blanket on the pleasures of Ladies' Night at the New York Florists' Club meeting, Monday. There was a very fair attendance and the business session was made very short. Resolutions were read on the death of Miss Lilian Shaw. The nominating committee reported as follows:

For president, William H. Duckham, Harry A. Bunyard and I. S. Hendrickson. Mr. Duckham declined the nomination with a very few well chosen words. Vice-president, John Miesem, Robert Koehne, A. M. Henshaw; secretary, John Young, L. W. C. Tuthill, M. C. Ebel; treasurer, W. C. Rickards, Charles Schenck, Julius Roehrs. Trustees, Alexander Hogg, W. R. Cobb, John H. Fiesser, Oscar Boehler, Emil Schloss, W. E. Maynard, P. W. Popp, Sam Batchellor and James Fraser were elected members.

There was an exhibit by Charles L. Stanley, Plainfield, N. J., of chrysanthemums Source D'Or, Souvenir D'Or, Yellow Caprice and Lilac Caprice, and one by Charles Webber, Lynbrook, L. I., of carnation Laura Webber, both of which were awarded a vote of thanks.

A resolution was passed instructing the secretary to convey the sympathy of the club to Mr. Totty in his illness, sending the best wishes and the hope for a speedy recovery. Many of the younger people remained until almost 1 o'clock enjoying the musical program which had been prepared. The house committee deserve great credit for the successful manner in which they pulled off the affair. The meeting room was nicely decorated with flowers and oak branches and was made very attractive.

ST. LOUIS SOCIETY NOTES.

The Retail Florists' Association entertained their members with a banquet at the Washington Hotel on Wednesday night, Nov. 11.

The Lady Florists' Home Circle were entertained by Mrs. F. W. Bruning at her home on Wednesday afternoon, November 11.

The St. Louis County Growers' Association held its regular monthly meeting on Wednesday night, Nov. 4th. The feature of the meeting was that every member will buy an oil stove and have it in readiness should anything happen to any member's heating system so that in a short time all stoves can be put to work and save the stock.

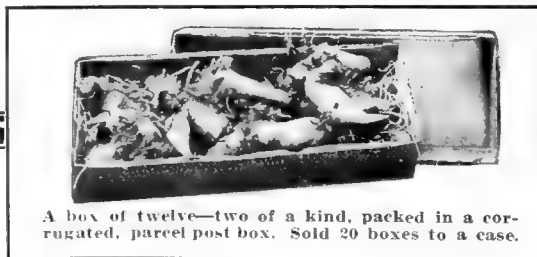
CLUB AND SOCIETY NOTES.

The Chrysanthemum Society of America voted at Indianapolis to hold its 1915 meeting in Cleveland, O.

At the Chicago Florists' Club meeting on Nov. 5, R. J. Parker and Victor Young were elected to membership, after which, owing to fact that meeting was held on the evening of the departure of a good many of the members to the chrysanthemum meeting at Indianapolis, the meeting was adjourned until Thursday evening, Nov. 19th, when nominations of officers for ensuing year will be the special order of business.

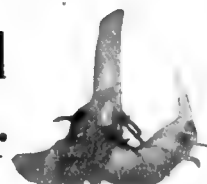
J. B. FOLEY, Sec.

The Worcester County (Mass.) Horticultural Society held its annual



One of the fat, heavy roots of Wintzer's Colossal. By all means, order some Colossal.

This Idea Will Increase Your Canna Sales



All our Canna roots are northern grown right here at West Grove.

LOTS of your customers want an assortment of Cannas—say, twelve. Now, supposing you had assortments all packed in special parcel post mailing boxes, ready to send right out; wouldn't it greatly simplify things for you? Of course, it would. Then another thing, Antoine Wintzer would make up the assortment a point well worth mentioning in your Catalog. But that isn't all; you would be sell-

ing, not just Cannas—"any old Cannas"—but an extensively advertised brand, the Swastika Brand.

In addition to your regular Cannas, let us send you a case of twenty of these assorted boxes, all carefully packed, ready to mail out.

Fall Trade List now ready. Send for it, and let us explain more fully this box assortment plan.

THE CONARD AND JONES CO.
SWASTIKA BRAND CANNAS
WEST GROVE, PA.

chrysanthemum show on Thursday and Friday, Nov. 5 and 6. The most elaborate and effective displays were made by President E. W. Breed and Harry I. Randall, the Pleasant street florist. The Denholm & McKay Company, John Gunn of Whitinsville, O. S. Walker, A. H. Lange, George W. Knowlton of West Upton, and the estates of Mrs. W. N. Estabrook, Mrs. J. C. Whitin and Mrs. Percy G. Forbes were all represented in more or less extensive displays of seasonable material.

The Cincinnati Florists' Society's regular meeting on Monday evening was well attended. Pres. Allen appointed a committee consisting of Gus Adrian, chairman, Max Rudolph, Henry Schwaz, R. Witterstaetter and Chas. H. Hoffmeister to devise a system of valuation of plants and flowers for taxation purposes and to report thereon to the society at its next meeting. R. Witterstaetter brought up the discussion that led to the appointment of the above committee. J. A. Peterson and Roger Peterson showed a plant of the new begonia, Mrs. Peterson.

The Knoxville Florists' Society held its regular meeting at Chas. L. Baum's store, Tuesday night, November 3rd. Saturday, November 7th, having been set aside as Chrysanthemum Day, final arrangements were made, and a committee was appointed to get up sufficient advertising matter in the local papers, (and otherwise as it may see fit), with instructions to do all advertising in a cooperative way through

the Society. This mode of advertising has proven very effective heretofore, as it reaches the public more in the form of an announcement than an ad., and does not solicit trade for any one florist.

The American Sweet Pea Society having decided some time ago to hold its next annual exhibition in Newport, R. I., requested the Newport Horticultural Society to fix dates and place for the event, so at a meeting of the latter society on November 10, it was voted to hold the exhibition at the Newport Casino on July 8 and 9, 1915. The local society is also planning to hold a general horticultural exhibition in conjunction with the sweet pea exhibition and at present the outlook seems very good for a large and interesting show. At the above stated meeting Alexander MacLellan of Newport was elected general manager of the joint exhibition.



"It's all in the wheel"
Red Devil Glass Cutter
No. 024

A very popular tool that cuts glass with precision. Sample sent postpaid for 3 two-cent stamps. Booklet on request.

SMITH & HEMENWAY CO.
181 Chambers St., New York City.

BEGONIA MRS. HEAL.

See Cover Illustration.

Three specimens of this resplendent flowering plant were exhibited at the Boston show last week and they caused a decided sensation, winning a silver medal for the grower, William Downs, superintendent of the E. S. Webster estate, Chestnut Hill, Mass. We are indebted to Joseph Breck & Sons for the use of the photograph of one of the plants exhibited. Unfortunately as with all scarlet flowered plants the photograph does not show the flowers distinctly. A group of these plants which we saw at Mr. Webster's conservatories impressed us as one of the most beautiful things in the floral line we had ever seen. Mr. Downs has favored us with some notes on this charming begonia and its culture, which follow:

This is of the new winter flowering type of begonias originated in England and marking a new departure in this ever popular race of plants, being the result of a cross between the tuberous and fibrous rooted sections, the latter if a am rightly informed being Socotrana. Mrs. Heal, with Winter Cheer and Elatior, was the advance guard of many varieties which will follow. We have (though untried at present) Fascination (yellow), Optima (salmon) and Her Majesty (pink), which will make a very interesting group. Optima, it is claimed, will succeed in a cool greenhouse and one grower told me that Mrs. Heal would, but my experience is that it needs same temperature as Lorraine.

This type has not proved quite so easy of culture as the Lorraine and I think the dual nature of the plant accounts for that, taking the resting nature of the bulbous and the continuous of the fibrous. I think if this is kept in mind and with a little extra care in watching and watering they will amply repay in the end.

All, or most all, of the plants that have been grown in this country have been imported in the spring or early summer and when received are in their dormant state, potted in a mixture of peaty nature with a lot of silver sand through it. Right here is where you have to be very careful with the water until they begin to grow which may be soon or may be after quite a long time. They are much the same as Lorraines, not making much growth until August and September, but when they do they make rapid growth, but at no time must they be carelessly watered or it will cause rotting of the bulb and that, of course, is the end of the plant. We use much the same compost in growing then as for Lorraines—tough fibrous loam, leaf mold, sand and dried cow manure broken up in small lumps which makes a rough porous mixture.

When they get started into growth and rooting freely they can be potted along with an ordinary shift, 4 to 6 in. and so on and carefully watered until they root through again. In the final shift a little Clay's manure may be used in the mixture.

We feed them with this and liquid manure just the same as other plants and grow them in the house with our Lorraines until they go out of flower and then comes the critical time, to my thinking—the keeping of them through the winter. They must not be thrown

AZALEAS

We have just received a large importation of Azaleas in splendid condition, which we offer for immediate delivery and as long as unsold at no advance over prices of previous years.

We offer the leading varieties,—Mme. Van der Cruyssen, Vervae-
neana, Simon Mardner, Empress of India, Mme. Jos. Vervae-
ne, Ernst Eckharte, Niobe, Vervae-
neana Alba, etc., strong plants:—

10 to 12 inches in diameter.....	\$6.00	per dozen,	\$45.00	per 100
12 to 14 " " " " " " " " " " " "	9.00	"	60.00	"
14 to 16 " " " " " " " " " " " "	12.00	"	75.00	"
16 to 18 " " " " " " " " " " " "	18.00	"	125.00	"
18 to 20 " " " " " " " " " " " "	24.00	"		
20 to 22 " " " " " " " " " " " "	36.00	"		
Dwarf or Miniature: Firefly or Hexe, and Chas. Encke.....	4.80	"	35.00	"

**F. R. PIERSON, TARRYTOWN,
NEW YORK**

ARE YOUR PLANTS MOVING?

If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. **Cash Ready.**

We are the *Largest Distributors to the People* in the United States.

C. C. TREPEL

LOESER'S, Brooklyn, N. Y.
BLOOM NGDALE'S, N. Y. City
GIMBEL'S, New York City

under the bench nor put on the shelf, but kept on the bench where they can be seen, in a temperature of about 50°, until the spring. When they show signs of activity they can be put in a warmer house and started along.

Cuttings from them root nearly as freely as geraniums, but I have not had good success from leaf cuttings so far; these will make nice plants in 6-in. pots by the fall.

The plants we exhibited at the chrysanthemum show were two-year-old plants, the largest about 2 feet through and the same in height above the pots (8 in.). Over 200 flowers and opening buds were counted on this plant—to be accurate, 233—by one of my men. They have been fully in bloom for nearly three weeks and we have plants in the conservatory now about two weeks looking as fresh as ever.

Many have told me they cannot grow them. I really don't see why, if they can grow Lorraines; and some say they can't get a decent plant of the latter. It surely is not the fault of the plant; it is something left out in its culture that it needs. I have heard of one lot up on a shelf, another soaked with the hose, but that will not grow them. The extra care and attention they need is well repaid with such plants as we have now. I was told I could not grow them after the first year, but this is the third and they are better than ever. These are plants

JAPANESE Bamboo Canes

**Just the thing for
Staking Plants and
Small Trees**

Per Bundle

6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

30 and 32 Barclay Street
NEW YORK

that the old adage is well applied to, "If at first you don't succeed, try, try, try again."

Make Some Money Right Now On Hicks' Evergreens

JUST because your customers have taken their awnings down, raked up the leaves, and are hugging the fire; is no reason why you can't interest them in some evergreen planting.

Right now, when all other planting work is off their mind, is just the time to talk evergreens.

Just a little explaining on your part, about the distinct advantages of fall evergreen planting, and in nine cases out of ten, you can get their interest.

Setting aside altogether the indisputable fact that fall planted evergreens will be better established and make a sturdier, denser growth next Summer, than if planted in the Spring; there is the question of the plain, common sense of it.

The sense that tells you that when the leaves are off the other trees; is the time when more than ever the beauty and comforts of evergreens are needed and appreciated.



We have 14,000 of these Colorado Blue Spruce. Finer trees no Nursery can offer.

Why should any of your customers be annoyed all Winter long, by the view of some neighboring unsightliness, when you can sell them a few Hicks' evergreens that will at once screen it from view?

Why let such opportunities get away from you, when a little hustling right now, will add to your profits?

There's not a finer assortment of *all* sizes and kinds of evergreens to be found anywhere, than right here at Hicks'. Transplanted, root-pruned, hardy trees of the very best sort.

When it comes to the larger trees; seldom can you find a nursery that has any to sell, over 8 feet high. We have thousands of them, up to even 25 or

30 feet.

Send us the dimensions of the screen your customer wants. We can save five years on a screen 12 feet high. Can save you a lot of money too. Let us make you a proposition.

Hicks Trees
Isaac Hicks & Son
Westbury, Long Island

DURING RECESS.

Boston Co-operative Flower Market Banquet.

The eleventh annual banquet of the Boston Co-operative Flower Market was held at the Quincy House on Saturday evening, Nov. 7. While in some respects a business affair as regards the topics discussed, yet it was an evening of relaxation and social enjoyment for those who attended. There were about 75 present, of whom quite a number were ladies.

The corporation had had its annual business meeting earlier in the day, and the list of members of the board of directors showed quite a change of complexion, four out of nine being new men—the most radical change since the establishment of the market. The new members are Thomas Capers, John Barr, Charles H. Leach and J. W. Simpson.

When the talking hour had arrived President Robert Montgomery called upon William H. Elliott to act as toastmaster, which that gentleman did in a very efficient manner. He extended a pleasant welcome to the diners and emphasized the delights of getting together thus socially. He brought up the problem which confronts the flower growers—the bad condition of the market and the burden of accumulated stock for which no outlet seems possible under present

methods of distribution. Referring to the suggested plan of opening the market to public retail trade he advised that so radical a step should be decided upon only after cautious investigation and deliberation. The problem was to serve the people more freely with flowers without, however, causing any injury to the existing retail florist industry.

It had been expected that the Mayor would be present and perhaps throw some light upon the city's probable attitude towards a public flower market. In his place came City Treasurer Charles Slattery, who expressed the Mayor's regret at inability to be present. He did not venture to touch the market problem, but made a vigorous and eloquent speech on the virtues of good citizenship and the duties of those holding official position, dwelling especially upon the courage, honesty and devotion to duty of Mayor Curley, whom he extolled as a shining example of what a Mayor should be.

The other speakers of the evening were W. N. Craig, J. J. Cassidy, B. A. Snyder, J. M. Cohen, Thos. Westwood, and C. H. Leach. The general topic was the public market possibilities. Mr. Snyder called attention to the disadvantages of the present location for such an enterprise. Mr. Cohen suggested that the Mayor be induced to open the public streets to flower boys under certain restrictions, as less

likely to stir up resentment. Mr. Cassidy, as representing the retail store people, advised extreme caution on the part of the growers on this delicate subject.

A handsome vase of Mrs. Moorfield Storey rose graced the head table.

The banquet committee consisted of N. F. Comley, John McFarland and Carl Streiferd.

New York Florists' Bowling Club.

Scores at Thum's alleys November 5.

J. Fenrich	156	172
C. W. Scott	154	171
W. P. Ford	170	149
H. C. Riedel	160	153
P. Jacobson	143	169
J. Miesem	187	186
A. Kakuda	146	159
A. Schauzer	130	137

ELLIOTT AUCTION COMPANY

SALES DAYS

Tuesday and Friday

42 Vesey St., New York

Consignments Solicited

DREER'S VARIEGATED PINE APPLES

Have you ever offered these beautiful variegated plants to your customers, if not give them a trial, the change will be appreciated, they stand about the same treatment as a Pandanus Veitchii when used as a house plant and possess far more refinement in coloring.

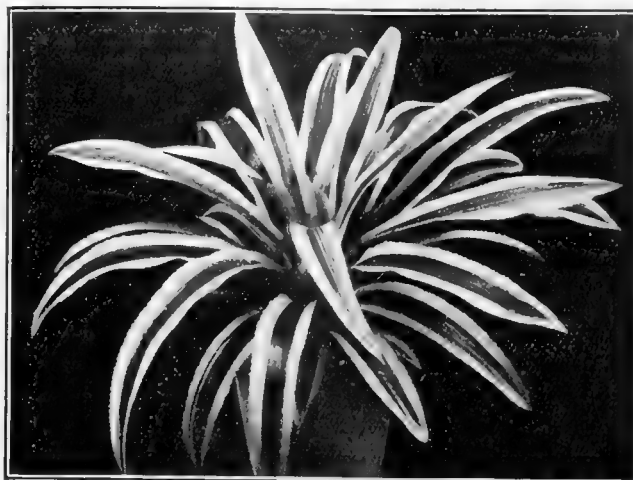
We offer a splendid lot of

4-inch pots, \$0.60 each

5 " " 1.00 "

6 " " 1.50 "

For a full and complete line of Decorative Plants see our current Wholesale List.



HENRY A. DREER, 714-716 Chestnut St., Philadelphia, Pa.

The above prices are intended for the trade only.

BERLIN VALLEY PIPS

High grade LILY OF THE VALLEY PIPS, 1913 crop, shipped from New York. Cold Storage in cases of 2,500 pips each. Write for prices and details.

McHUTCHISON & CO., The Import House 17 Murray St., New York

THE FRAMINGHAM NURSERIES

200 ACRES,

TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.



FINE STOCK OF
RHODODENDRONS,
KALMIAS AND
ANDROMEDAS.

Send for
Price List

W. B. WHITTIER & CO. FRAMINGHAM, MASS.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES, North Abington, Mass.

BEDFORD QUALITY

Means Hardest and Best. We solicit your order for **Fancy and Native Evergreens, Trees, Shrubs, Roses, Vines and**

BULBS

in the largest assortments.

**THE NEW ENGLAND NURSERY CO.
BEDFORD, MASS.**

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BEST HARDY RHODODENDRONS,
AZALEAS, CONIFERS, CLEMATIS
H. P. ROSES, SHRUBS, AND HERBACEOUS PLANTS.

P. OUWERKERK, 216 Jane St., Woburn Heights
P. O. No. 1, Hobeoken, N. J.

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Nurserymen, Florists
and Planters

RUTHERFORD, NEW JERSEY

NOVELTY

SPIRAEA RUBENS

A Gem Among the Spiraeas

This variety produces long, feathery, flower panicles of a beautiful clear pink, which color is retained when forced.

Price, 60 cents each
\$6.00 per dozen

R. & J. FARQUHAR & CO.

6 South Market St., Boston, Mass.

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

OLD TOWN NURSERIES

35,000 BERBERIS THUNBERGII

All Sizes. Write for Prices

M. P. Haendler, Prop. SO. NATICK,
MASS.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers.—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

Bulb Trade in California.

Further shipments of imported bulbs have arrived this week, and while few, if any more are expected, there is quite an abundant supply. The jobbing business, however, has been very good, and is still holding up in good shape, large individual orders being more numerous than usual. The retail bulb business, which started out well, is hardly holding up to expectations, as a good many department stores have gone into the business and are offering keen competition to the regular retailers.

Notes.

Los Angeles, Cal. The Aggeler & Musser Seed Company have moved into larger quarters at 1200-12 Produce street.

Imports of grass seed to the port of New York during the week ending Oct. 31, 1914, amounted to \$1,058. The value of trees and plants received during same period was \$6,117.

MANHATTAN REVISITED.

Of course we pass through the big town quite often and stay for an hour or two, year in and year out. But it must be twenty years since we put in a Sunday in Manhattan. The most astonishing thing we saw on last Sunday morning was the prevalence of the tall hat with the cutaway coat which is as extinct as the dodo in other parts of the world. It was a fine mild joyous sunny "Indian summer" Sunday morning and the ride up Fifth avenue on top of a bus was delightful and brought back old recollections of thirty years ago. How splendid compared with the subway!

Those "bite you" cars on Broadway are certainly funny, and make one think of Jim Shea's hippo "with the lovelight in her eye."

The most solemn places we went through were the new post office at 8th avenue; and the new Pennsylvania station at Seventh avenue. But both these are meant for the future—and fifty years from now will be probably considered very cramped and inadequate. As the United States grow in population so must New York grow—not because of its people but because of its harbor and geographical position. The Knickerbocker thinks he did it all. But geography did more. Geography brings the big brains there from all over the world to make New York what she is.

They've taken the horse cars off Chambers street at last and cute little baby electrics take their place. "The world and New York do move." When we smile at her provincialism let us not forget the wonders performed for her by McAdoo and Cassatt.

BRITISH HORTICULTURE.

Chrysanthemum Novelties.

Owing to the war the National Chrysanthemum Society has been compelled to abandon its Crystal Palace shows. In order that interest in the Society's operations shall be maintained a series of smaller exhibitions is to be held at the Floral Committee meetings in London. A special conference will take place on Dec. 9th, when papers will be read by experts. At a recent meeting of the Floral Committee awards were made to a number of novelties hereunder enumerated: Lowe & Shawyer received first-class certificates for General French, chestnut crimson; Delight, silvery pink; Miss Edith Webb, white florets, flushed with reddish purple; Cragg, Harrison & Cragg obtained a first-class certificate for Hestonia, buff, suffused with chestnut.

Items of Interest.

The suggestion by the Horticultural Trades Association that the motto of "Business as usual" during the war should be acted upon is evidently bearing fruit. The "Nurseryman and Seedsman," a London trade paper, has lately issued an International Novelty Number—the largest in point of advertising pages which has so far been published by that paper. This is very gratifying, at a time when most of the British papers have to deplore depleted revenue from advertising. The Belgian grower, despite his perilous experience, comes up smiling with enterprising notices, whilst the Dutch bulb growers are not relaxing their enterprise. It is apparent that every effort is being made to turn to good account the crippled condition of the German seed trade, and to smash the competition in the horticultural world from that quarter.

Sir Harry Veitch, the veteran horticulturist, has recently sustained a loss by the death of his nephew, J. G. Veitch.

No less than 671 growers entered a competition organized by Dobbie & Co., of Edinburgh, for the best six samples of the potato, Burnhouse Beauty.

About 70 employees of Sutton & Sons have joined the army. Two sons of Leonard Sutton are serving as second lieutenants in infantry regiments.

W. H. ADSETT.

National Dahlia Society of England.

On the 15th of October last the annual conference of the society was held at Carr's restaurant, Strand, London. The chair was taken by Reginald Cory of Cardiff, a well-known dahlia enthusiast whose trials are well-known and were referred to in Jos. Cheal's paper on The Dahlia as a Decorative Plant for Parks and Gardens, delivered before the Society at this conference. J. Stredwick opened the meeting by reading a paper on the history of the dahlia. There was practically nothing new or original in his remarks and for a full authentic and instructive paper on the subject nothing has yet surpassed the history of the dahlia read by the

GLADIOLUS for FORCING

A money maker for the Florist; easy to grow, requiring little attention; a carnation house temperature suiting them.

MODESTY, Lavender,	100	1000
blotched mauve	\$1.00	\$9.00
NE PLUS ULTRA, Scarlet,		
blotched white	1.00	9.00
BRIDE, Pure white.....	.60	5.00
BLUSHING BRIDE, White,		
blotched red .....	.60	5.00
PEACH BLOSSOM, Salmon		
pink .....	.80	7.00

ALSO LIL. FORMOSUM, LIL. LONG. MULTILORUM, LIL. LONG. GIGANTEUM, AND ALL OTHER SEASONABLE BULBS.

Send for our New Wholesale Catalogue and Price List if you haven't received a copy.

Henry F. Michell Co. 518 Market St. Philadelphia, Pa.

Paper Whites, Fancy, \$8.00 per 1000

" Giant, 10.00 "

Roman Hyacinths,

12-15, 32.00 "

" 12-13, 29.00 "

A. Henderson & Co.

369 RIVER ST., CHICAGO.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

THE BUGS ARE BUSY

NICO FUME LIQUID and PAPER

Prepaid to Your Door

1 Gal. Can. ... \$10.50	1/2 Gal. Can. ... \$5.50
288 Sheets Paper.....	7.50
144 Sheets Paper.....	4.00

ROMAN J. IRWIN, 71 West 23rd St. NEW YORK

late Shirley Hibberd on the occasion of the Great Dahlia Centenary Conference held in 1889 at the Crystal Palace. We have not been able to obtain the text of Mr. Stredwick's papers but that by Mr. J. Cheal is in our possession and we hope to have space for it in one of our issues of the near future.

C. HARMAN PAYNE.

BUSINESS TROUBLES.

Paris, Ky.—R. B. Hutchcraft, Sr., seedsman, assets approximately \$100,000, liabilities, \$200,000.

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm

"IT'S A LONG, LONG WAY TO TIPPERARY"

SHAMROCK SEED

TRUE IRISH

FROM THE OULD SOD

½ tr. pkt.....	\$0.25	Tr. pkt.....	\$0.40
Ounce	1.00	¼ lb.....	3.00

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PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

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California Seed Growers Association, Inc.
Growers For Wholesale Dealers
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NEW CROP SEEDS

FOR FLORISTS

Ask for 1914 Catalogues

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Seedsmen

47-54 No Market St., BOSTON, MASS.

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BULBS, PLANTS and SEEDS

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Catalogue on application

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
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"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.,
Boston, Mass.

Thorburn's

Seeds and Bulbs

ARE you interested in Freesia Purity Bulbs (first size) at two dollars per hundred, or twelve dollars per thousand?

Ask us about our "below-the-market" specialties and watch for our column announcements.

J. M. THORBURN & CO.
In Business Since 1802
53 Barclay Street - New York

Bedding Hyacinths

BEST QUALITY

Separate Colors

\$2 per 100; \$18 per 1000

JAMES VICK'S SONS, Rochester, N.Y.

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Dey St., NEW YORK
and ORANGE, CONN.

BULBS SEEDS ROOTS

For Fall Planting or Forcing
EXHIBITION QUALITY
Best Values in Boston.

THOS. J. GREY CO.

32 No. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

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London, Cal. - N. Y. - Boston

97th YEAR
J. BOLGIANO & SON
Wholesale Garden and Field Seeds,
Onion Sets, Seed Potatoes
GROWERS OF PEDIGREE TOMATO SEEDS
BALTIMORE, MD.

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED
S. BRYSON AYRES CO.
"Renowned Sweet Pea Specialists"
SUNNYSLOPE, INDEPENDENCE, MO

New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.
ASTERS—All varieties.
VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St.
STAMFORD, CONN.

ALEX. McCONNELL611 FIFTH AVENUE
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

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Deliver orders from any part of the country to
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A. WARENDORFF

Artistic Work. Reasonable Prices
Prompt Delivery of Steamer Orders.
1193 Broadway, My Only Store

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"FLOWERS BY TELEGRAPH"

THE ROSERY

23 STEUBEN ST.

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FLOWER DELIVERIES FOR ALBANY AND VICINITY

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FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New York cities and
towns.



304 Main Street
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Members Florists' Telegraph Delivery Association

When writing to advertisers kindly
mention HORTICULTURE.

Of Interest to Retail Florists**THE RETAILER'S BUSINESS CALENDAR.**

Nov. 14, Sat.—Make one day of every month "Advertising Day," on which to give consideration to all advertising matters. It's a bitter pill to swallow to find one's best customer has been lured away by a competitor's advertisements. But there's a remedy—better advertising. We should realize that it is the life blood of business.

No. 15, Sun.—Today is a good time for every employer to reflect upon his creed. We have all seen and heard about the employee's creed, but should not the employer also have one? The employer's creed might consist of something like the following:

1. I believe my salesmen are the greatest asset in my business.
2. I believe in their honesty.
3. I believe in their loyalty.
4. I believe in their ability.
5. I believe I am entitled to their confidence.

Nov. 16, Mon.—"Blue Monday" again! But don't let it catch you napping. Start the week with a smile. The optimist quite often gets some satisfaction from the fact that the people he doesn't like aren't twins.

Nov. 17, Tues.—It's a good thing to be active and hustle after business, but you must produce the goods if you would keep your customers. It's the return orders that count. Consider the phonograph, how it is always on the move and makes a pile of noise—but it never gets anywhere.

Nov. 18, Wed.—Don't neglect the mailing list. Make letters personal; avoid stereotyped forms. People like to feel that they are on a selected list. Emphasize the fact as to how particular you are about the kind of customers you want and explain your facilities for serving them. Service is the essence of all business.

Nov. 19, Thurs.—Originality is the faculty of thinking for one's self. Therefore—don't be a parasite! Imagine yourself a customer. Now what do you think of your store? There are plenty of people who are worrying about smokeless chimneys and noiseless pavements; put in a few licks for yourself for a lossless business and a shabbiness store.

Nov. 20, Fri.—Get everything ready for that big football game tomorrow. The opportunities we are all most eager to embrace are naturally the good-looking ones. Here is your chance. Advertise flowers and bouquet ribbons to match the competing school colors.

Nov. 21, Sat.—Look through HORTICULTURE for the new offers. Everything floral that is new and good is advertised in this excellent medium. Buyer and seller meet effectively to their mutual advantage when they both read HORTICULTURE. Keep in touch with what is going on in the trade. About the only excuse some florists can give for their presence is, "We're here because we're here."

Taunton, Mass.—Harold R. Hall has purchased Rose's Flower Store, 4 Main street.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

**HESS & SWOBODA
FLORISTS**

Telephones 1581 and L 1583

1415 Farnum St.,

OMAHA, NEB.**CLEVELAND****A. GRAHAM & SON**

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WILLIAM J. SMYTH

Cor. Michigan Ave. and 31st St.,

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Member Florists' Telegraph Delivery Asso.
We ship to all points in Illinois and Iowa.

Phones: Aldine 880 Aldine 881 Aldine 882.

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Kansas City, Mo.
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Member of the Florists' Telegraph Delivery.
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

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Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2780
Members Florists' Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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ST. PAUL, MINN.**

**THOS. F. GALVIN
INC.**

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 126 Tremont Street
799 Boylston Street
Deliveries to Steamers and all Eastern Ports



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D. C.**

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F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS

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NEW YORK, WASHINGTON, D. C.
1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

ALBANY, N. Y.

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Flowers or Design Work

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ON TELEGRAPHIC ORDER

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NOTICE INITIALS. We have one store only

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any occasion, in any part of the Dominion.

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86 Yonge St., - - - TORONTO, ONT.

F. R. PIERSON CO.

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Member of Florists' Telegraph Delivery

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting
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Flowers by Telegraph

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Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main

St. Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George

Asmus, Mgr. Chicago—William J. Smyth, Michigan

Ave. and 31st St. Cleveland, O.—J. M. Gasser Co., Euclid

Ave. Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141

Broadway. New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.

and Madison Ave. New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—A. Warendorff, 1193 Broad-
way.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415

Farnum St. Rochester, N. Y.—J. B. Keller Sons, 25

Clinton Ave., N. St. Louis, Mo.—Fred C. Weber, 4326-28

Olive St. St. Paul, Minn.—Holm & Olson, Inc.

St. Paul, Minn.—L. L. May & Co.
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ford Seed & Nursery Co. Tarrytown-on Hudson, N. Y.—F. R. Pier-

son Co. Toronto, Can.—J. H. Dunlop, 96 Yonge

St. Washington, D. C.—Gude Bros., 1214 F

St. Washington, D. C.—F. H. Kramer, 915

F St., N. W. Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,

3 Pleasant St.

NEW FLOWER STORES.

Catonsville, Md.—J. T. Harmon.

Boston—Hecht Bros., Winter street.

Dunellen, N. J.—John Henry, Run-
yon Bldg.

Nashville, Tenn.—McIntyre Bros.,
Church street.

Minneapolis, Minn.—Perl Bros., 1722
Hennepin avenue.

Visalia, Cal.—Peter Perkins, 116 N.
Court street.

Portland, Ore.—Maegley & Turner,
166 East 37th street.

Cambridge, Mass.—Roger T. Sulli-
van, 181A Hampshire street.

Los Angeles, Cal.—Staiger & Mund-
wiler, Washington street.

Pawtucket, R. I.—Quality Flower
Shop, W. E. Kelton and J. W. Seaman,
proprietors, 144 Main street.

Baltimore, Md.—Chas. Conroy, W.
Baltimore street, near Poppleton; Wm.
Terry, N. Howard street.

Kansas City, Mo.—Summerfield Flor-
al Co., Jefferson and Lawrence
streets.

Chicago, Ill.—Chas. Johnson, 3205 W.
Fullerton avenue; S. Y. Bloom, 65th
street; A. Iralsen, 356 E. 43d street;
F. C. Mendonza, 6235 Halsted street.

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NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists Telegraph
Delivery.

REUTER'S Members Florists-
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Delivery

STORES IN

**New London and Norwich, Conn.
and Westerly, R. I.**

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
1 Park St., Boston

M. RICE CO.

The Leading Florists'
Supply and Ribbon House

1220 Race Street, PHILADELPHIA, PA.

STAMFORD, CONN.

"Quality Shop"

Will take care of all your orders for de-
signs or cut flowers.

Stamford Seed & Nursery Co., 43 Atlantic St.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

St. Paul, Minn.

L. L. MAY & CO.

Catalogue Free on Application

Order Your Flowers for delivery
in this section from the

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S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

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RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

13 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

NEWS ITEMS FROM EVERYWHERE

BOSTON.

E. H. Wilson, now in Japan on research work for the Arnold Arboretum, is expected to arrive home in Boston early in January.

Among the new stallholders at the Boston Flower Exchange are A. H. Westhaver of Malden and E. B. Hanson of South Royalton, Mass. The latter, who is one of our best local violet specialists, is represented by Wm. H. Carr.

Anderson Bros. of Woburn have a small quantity of aster seed of a new variety, shell pink, which they state will prove to be a revelation. This new aster has been tried out by them and by Gustav Olson of Woburn, who is the originator of the variety, for the last two years. They expect to disseminate the seed next season.

The old Harry Fenn carnation is still a favorite with many local growers. This is especially so with J. W. Simpson of Woburn, who states that he is having much success with this variety. The latter's business has been markedly prosperous during the last few years, in view of which fact Mr. Simpson expects to increase the size of his range shortly.

The scarcity of violets in the market was very apparent in a recent visit to some of the violet growers of Woburn, where the writer visited several ranges. The leading violet growers of the district, among them Wm. Spillsbury and Chas. A. Sanborn, agreed in placing the cause of the meager crop to the extreme mildness of the season. Both growers state that their output has been decreased over a third below normal. The plants are healthy and in good condition, but are shy on flowers.

Evidently some smooth gent is picking out the suburban florists as "easy marks," for two jobs have been nearly pulled off the last few days. Joseph Hamilton, a Salem florist, reports to the police that a man came into his store and ordered a piece of flowers for the Sons of Veterans. He neglected to complete the bargain by coming to the store after the piece, however, and so did not pass the worthless check he was probably going to present. Henry T. Conant, also of Salem, reports a similar experience. The man wanted a \$14 check cashed, but Mr. Conant could not see it and was not stung.

"Winter Perfection," one of Veitch's hybrid begonias, was noted at the E. A. Clark estate, Jamaica Plain, gard. Alexander McKay. This begonia has just recently come in from England and has not yet been exhibited in the United States. The flowers are a very attractive rose-pink. "Ensign," another one of Veitch's hybrids, an unusual variety, was also seen there. The writer's attention was caught by a number of magnificent specimens of the William Turner chrysanthemum, of the kind that captured first prize at the Boston Chrysanthemum Show. Several of these plants were over seven feet tall and the blooms surely spread eight inches.

Flower shops are springing up like mushrooms in the shopping district of the city. During the last month, at

least half a dozen have begun business within a minute's walk of Winter street. Winter street itself, although but a very short side street, now has four stores and two stands. This growth may or may not be ephemeral. Most of the new stores are operating under the cut price system and are advertising that fact. A large volume of stock is being sold to transients, and in this respect the development of these stores should help to relieve the over-glutted condition of the markets. The effect on the old established shops remains to be seen.

Henry Studer, under whom many of the local florists served apprenticeship. During the evening refreshments were served and an elaborate vaudeville entertainment provided.

George H. Cooke has at last taken possession of his new quarters at 1102 Connecticut Ave., and now has one of the finest establishments in the city. At the front is the sales department with the usual equipment and at the back of this is an archway, supported by carved pillars, forming a balcony across the store. This balcony is continued along the two side walls and



DECORATED AUTOMOBILE

In New York Tercentennial Parade. By Max Schling.

WASHINGTON.

C. E. Brooks, 1527 14th St., N. W., will open a branch flower store in the Arcade on upper 14th St. the latter part of this month.

Charles E. Scarborough has returned to Washington after an absence of nearly two years spent in Philadelphia and on his father's farm in New Jersey, and is again in the employ of Gude Bros. Company.

Anthony Hankey, formerly in the employ of Ira G. Marvin, of Wilkes-barre, Pa., and for the past three years connected with the Birchwood Gardens, in Hackensack, N. J., has entered the employ of George H. Cooke.

Otto Bauer, manager of the local branch of the S. S. Pennock-Meehan Company, Charles E. Meehan, a member of the firm, and J. J. Perry, manager of the Baltimore branch, are on an automobile trip through the Blue Ridge Mountain section visiting growers there located.

The large conservatory at the rear of the store of F. H. Kramer presented a most attractive appearance last week when the members of the several Swiss societies availed themselves of his invitation to there hold a joint meeting to plan for the Swiss ball for the purpose of raising funds for their needy patriots of the mother country, and to pay tribute to the late

forms a second floor at the rear and at the head of a broad flight of stairs. This balcony and floor space is used for the display of palms and ferns, and from the latter is the entrance to the small conservatory, with its cement flooring and single line of white enameled benches. At the foot of this stairway is a large space in which is located the icebox and several display cases for the showing of ribbons and other materials. To the left is a small entryway which leads to the large basement, and at the right to a large workroom. The walls and ceiling are buff colored and from the latter electric light chandeliers are suspended

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

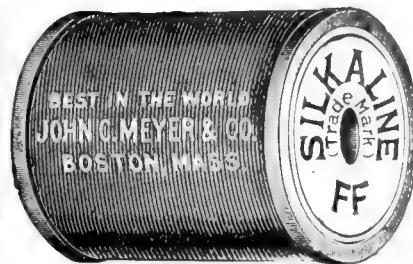
by heavy brass chains. The floor is covered with green linoleum. There are two large display windows made shallow by two huge square uprights which are later to be covered on all sides by mirrors, making the display space shallow and allowing of a more advantageous display of the stock placed therein. The flooring of the window is but about one foot above that of the store, thus giving an unobstructed view of the interior. The entrance is roofed with dull copper and the trimmings of the windows are of the same metal. The low bases are of cement, ornamented in lattice work effect.

Gude Bros. Company are extremely gratified at the results obtained from their annual chrysanthemum show held last week at their store. The attendance was considerably larger and more appreciative than ever before. The entire first floor of the building, extending back from the street for a distance of nearly 130 feet, was a mass of color. During the show week all makeup work was accomplished in the large basement and, although this resulted in some little inconvenience, all orders were promptly handled. The salesroom was lined on either side by masses of autumn leaves, palms, ferns, roses and carnations, and vases of chrysanthemums, which included fine specimens of the leading varieties. In the center, in what is ordinarily a fountain, a rockery had been built, with palms and fine ferns surrounding. The rockery was built up to a height of ten feet and was topped with a large bunch of American beauty roses. The large plate glass mirrors on either side of the room were partially covered with strips of bark placed diagonally across them. This was covered with vines and cattleyas, *Dendrobium formosum* and other orchids. In front was a decoration of palms and ferns and here, as well as on the sides of the mirror, artistically placed, were bouquets of American Beauty roses and baskets of other roses in profusion. To these were added vases of superb chrysanthemums. In the workroom the long tables were filled with vases of flowers. The greenhouse at the rear was made up in tropical effect with palms and ferns setting off the vari-colored chrysanthemums to fine advantage. The fencing of the mezzanine floor was covered with autumn foliage and smilax. On this floor had been placed a large Victrola, which played throughout the day and evening.

CHICAGO.

The Marshall Field flower department is beginning to look more like a flower store now that the clerks are beginning to understand better how to handle the stock. The space assigned is still very small for an extensive business, scarcely more than is allowed for artificial and prepared flowers and foliage, which occupies the adjoining section.

Garfield Park conservatories are open to the public from 8 A. M. until 10 P. M. from Nov. 8 to Nov. 22nd. That this is appreciated is evidenced by the fact that over 22,700 visited the chrysanthemum display there on Sunday, Nov. 8th. A trip through the conservatories where over 3000 single



THE JOHN C. MEYER THREAD CO., LOWELL, MASS.
In writing advertisers kindly mention HORTICULTURE.

BE SURE that you get the MEYER GREEN SILKALINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKALINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKALINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

JAPANESE WINDOW DISPLAY BY PENN THE FLORIST.



The above illustration represents a characteristic window display of this Boston house—a recent Japanese decoration in which exquisite miniature gardens were featured. The sets were

laid on a background of dark green velvet. Effective advertising is the slogan of the firm and their window advertising receives fully as much attention as that through any other medium.

stem plants and 2000 bush plants of chrysanthemums are on exhibition together with the 320 varieties of orchids as well as fine specimen palms, and the various other attractions that can be found here, well repays one.

Among the newer chrysanthemums being tried here the following have been found very satisfactory: Elderson, pink incurved; Jas. Fraser, lemon yellow; Chieftain, pink; Mrs. R. H. Bogg, white; Mrs. W. A. Read, red; Mrs. Gilbert Drabble, white; Gertrude Peers, red; Mendon, pink; Mrs. Paul Moore, yellow; Romance, white. These are all large flowering and most of them are fine for single stems or bush plants. The following pompon varieties have also proved very good: Ruth, lilac; Blushing Bride, pink; Mary, tinged with pink.

The largest wedding decoration of the season was executed by Mrs. H. Simpson for the Davis—Bankstrom nuptials. The outer aisles of the church were bordered with palms and chrysanthemums and the altar banked with palms, wild smilax, prepared oak leaves, large chrysanthemums and pompons with white roses in the front. For the six bridesmaids, Mrs. Simpson arranged gilt baskets, each filled with Sunburst, Ophelia, Bulgarie and light pink Killarney roses. The maid of

honor carried American Beauty roses. At the house, festoons of smilax, *Asparagus plumosus*, roses and chrysanthemums were generously used.

Springfield, Ill.—Springfield, the capital city of Illinois, entertained nearly a thousand women who attended the State Federation of Women's Clubs there Nov. 10-13. The chief social event of the occasion was the reception at the executive mansion, by Governor and Mrs. Dunne on Nov. 10th. The rooms were very tastefully decorated with palms and a generous use of chrysanthemums, chiefly in yellow and white. Boxes filled with white pompon plants stood upon the mantles and the lower banisters of the stairways were topped with the same. The refreshment tables had centers of moss, covered with ferns from which rose tall yellow chrysanthemums. Baskets were also used largely in the various rooms. A. C. Brown, 217 S. Fifth street, the leading downtown florist, had charge of the work which did him credit. Springfield is a popular convention city and the florists appreciate these orders more perhaps than ever before. Some fine bunches of roses were presented to the officers which were also grown in the Brown conservatories.

BOXWOOD

\$7.50 per 50 pound crate

No unnecessary wood, no waste. Place your order now. Delivery December 1st.

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Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

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10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

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If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 9		CHICAGO Nov. 2		BUFFALO Nov. 9		PITTSBURG Nov. 9	
Roses								
Am. Beauty, Special.....	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00	18.00	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	10.00	to 15.00
" " No. 1.....	15.00	to 20.00	5.00	to 10.00	8.00	to 10.00	6.00	to 8.00
Killarney, Richmond, Extra.....	2.00	to 3.00	2.00	to 5.00	6.00	to 8.00	6.00	to 8.00
" " Ordinary.....	4.00	to 6.00	6.00	to 8.00	3.00	to 4.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	2.00	to 5.00	3.00	to 4.00	3.00	to 4.00
" " Ordinary.....	4.00	to 6.00	6.00	to 10.00	6.00	to 8.00	6.00	to 8.00
Maryland, Shawyer, Taft, Extra.....	2.00	to 3.00	3.00	to 5.00	3.00	to 4.00	.....	to 4.00
" " Ordinary.....	2.00	to 3.00	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00
Russell, Hadley, Ophelia.....	.....	.....	.....	.....	.....	.....	.....	.....
Carnations								
Fancy.....	.....	to 2.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
Ordinary.....	1.00	to 1.50	1.00	to 1.50	1.00	to 2.00	.....	to 1.00
Cattleyas	40.00	to 50.00	35.00	to 50.00	35.00	to 40.00	30.00	to 60.00
Lilies, Longiflorum.....	.....	to 10.00	6.00	to 10.00	8.00	to 10.00	.....	to 10.00
Lily of the Valley	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 5.00
Violets.....	.....	to .50	.50	to 1.00	.50	to .60	.25	to .50
Corn Flower.....	.....	.....	.....	.....	.25	to .40	.....	.....
Chrysanthemums	4.00	to 20.00	4.00	to 30.00	6.00	to 25.00	6.00	to 20.00
Dahlias.....	.....	.....	.....	.....	.....	.....	.....	.....
Sweet Peas.....	.....	.....	1.00	to 2.00	.40	to .75	.....	.....
Gardenias.....	.....	.....	1.00	to 1.25	1.00	to 1.25	1.00	to 1.25
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	to 12.50	10.00	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	20.00	to 25.00	35.00	to 50.00	40.00	to 60.00	35.00	to 50.00
" " & Spreng. (100 bchs.).....	20.00	to 25.00	25.00	to 40.00	25.00	to 35.00	35.00	to 50.00

WILLIAM F. KASTING Co.

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383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

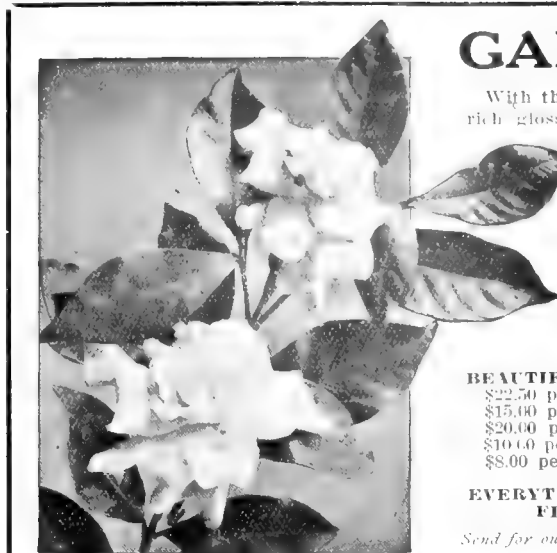
38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

BOSTON Chrysanthemums continue to control the market. They take the place of all other long-stemmed crops and yet command but a poor figure. The best products of the chrysanthemum specialists secure very mediocre prices. The market is looking forward to the close of the chrysanthemum season with great expectations. This is especially true of the rose growers, whose products so far this season have had to take second place to the "Autumn Queen." Violets are a rarity, although whatever there are are of good quality. Paper white narcissi are beginning to appear in small quantities. Sweet peas are still scarce. The last few nights have been a bit chilly and with this as a sign of real winter, we can hope for a shortening up of most crops and an increase in the violet output very shortly. The retailers in general are not enthusiastic over the prospects of the season, especially since the epidemic of new shops has started.

BUFFALO Conditions in this market are unchanged, but as the early chrysanthemums have been cleaned up and all the outdoor truck gone, prospects look somewhat better from now on. There are the usual amount of roses in all grades and varieties and these have gone to the buyers at practically their own prices. At this time prices on roses are 40 per cent less than a year previous though some varieties which are sold only in small quantities are about the same. Chrysanthemums have taken well considering the heavy receipts and Mrs. Turner which is grown especially fine in this locality has reached the \$4 a dozen mark but only a few. The majority of sales are the medium stuff at prices from \$6 to \$10, such as Adelia, Maud Dean, Golden Wedding and Josephine touched the 20c. mark and so far have sold exceedingly well. Carnations have been very plentiful this fall and in prices have not been up to previous years. Quality of blooms is good but the stems are weak in most cases. There are more white carnations than colored. Lilies are plentiful with no special demand. Sales on violets picked up a little but fell off on lily of the valley. Some fine pompons are coming in and these have taken well.

CHICAGO Last week the market opened up with a fair prospect for at least an average business and it was hoped that at last trade would take up a trend of natural activity for the season. As the week advanced, however, it soon became evident that the little activity of the first few days was only a "flash in the pan." The week closed extremely disappointing. Saturday which is generally a clean-up day for all odds and ends proved little better than a midweek day, and consequently large quantities of stock were carried over; as a matter of fact the ice boxes of all the dealers at the close of Saturday's business were crowded to the doors. Roses, which up to last week have cleaned up fairly well, joined in the general slump. Carnations fared no better, thousands of them being left over. Chrysanthemums are less of a glut than other items, still these



GARDENIAS

With their purity and fragrance and rich glossy green foliage, in quantity and the choicest of quality.

Fancy per doz.....\$2.00
Specials " ".....3.00

CATTLEYAS — Specials,
\$6.00 per doz.; \$10.00 per
100. Extra, \$5.00 per doz.;
\$30.00 per 100. First, \$3.00
per doz.; \$20.00 per 100.

VALLEY—Special \$4.00 per
100. Extra \$3.00 per 100.

BEAUTIES—Special, \$3.00 per doz.;
\$22.50 per 100. Extra, \$2.00 per doz.;
\$15.00 per 100. Fancy, \$2.50 per doz.;
\$20.00 per 100. First, \$1.50 per doz.;
\$10.00 per 100. Second, \$1.00 per doz.;
\$8.00 per 100.

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1216 H St., N.W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Nov. 11		ST. LOUIS Nov. 9		PHILA. Nov. 9	
Roses						
Am. Beauty, Special	8.00	to 15.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	5.00	to 8.00	10.00	to 15.00	8.00	to 12.50
" " No. 1	2.00	to 4.00	5.00	to 8.00	3.00	to 6.00
Killarney, Richmond, Extra	2.00	to 3.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 4.00	4.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Maryland, Sawyer, Taft, Extra	2.00	to 3.00	4.00	to 5.00	4.00	to 8.00
" " Ordinary	.50	to 3.00	1.00	to 2.00	1.00	to 3.00
Russell, Hadley, Ophelia	1.00	to 6.00	4.00	to 8.00	2.00	to 12.00
Carnations, Fancy	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
" " Ordinary	.50	to 1.00	1.00	to 1.50	1.00	to 1.50
Cattleyas	30.00	to 40.00	40.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	6.00	to 8.00	5.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets	.50	to .60	.20	to .25	.25	to .50
Cornflower	.50	to 1.00	.....	to .....	.....	to
Chrysanthemums	3.00	to 15.00	10.00	to 20.00	5.00	to 20.00
Dahlias	.....	to	1.00	to 4.00	.....	to
Sweet Peas	.40	to .60	.50	to .75	.....	to
Gardenias	20.00	to 30.00	.....	to	10.00	to 25.00
Adiantum	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	4.00	to 10.00	10.00	to 12.50	12.50	to 15.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 50.00	15.00	to 25.00	25.00	to 50.00

move slowly at very low prices. The midseason sorts are about over and all the late varieties have made their appearance in large quantities. Bonaffon, generally classed as a midseason sort appears to be at least a week later than usual. Eaton, both white and yellow, is superb. Chas. Razer is to be had in any size and quality. Chadwick white, pink and yellow has made its appearance and denotes the near close of the season. To judge by present conditions chrysanthemums will be pretty well gone by Thanksgiving day. The opening of the market this week is no more encouraging. The rose crop is none too heavy, but stock moves slowly, pink and white Killarney particularly. The new varieties meet the best demand, Russell still leading the list; Sawyer sells well and so does Ophelia. Beauties are fairly good, but move slowly. Carnations continue in over-supply; it is only on the very best that even a fair price can be realized; the poorer grade and short-stemmed have to be sacrificed in job lot sales. Lilies are about equal to demand. Lily of the valley is moving slowly and there appears to be

a falling off of the usual crop of fall weddings. Sweet peas are more and more in evidence, some very fine winter flowering butterflies may be had and these bring \$1.00 to \$1.50 per 100. Violets are improving but meet with slow demand; besides eastern double some very fair local grown singles are offered.

The local market is
CINCINNATI still overcrowded.

The general demand is pretty fair but the supply is so very large that only low prices are realized by the wholesalers. Chrysanthemums are very plentiful. The greater part are short and medium grades that at the best have only an ordinary sale. Pompons have only a fair market. Roses are coming in in large quantities and are of a high quality. Carnation receipts continue to increase. Lilies, though in not quite as large a supply as before are still more than sufficient for needs. Both callas and rubrum lilies are offered. Double violets are now in.

(Continued on page 703)

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FINE ROSES, FANCY CARNATIONS

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A full line of Choice Cut Flower Stock for all purposes.
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ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Nov. 7 1914		First Half of Week beginning Nov. 9 1914	
American Beauty, Special	15.00	to 25.00	15.00	to 25.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1	2.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	1.00	to 4.00	2.00	to 4.00
" " Ordinary	.50	to 1.00	.50	to 2.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 4.00	2.00	to 4.00
" " Ordinary	.50	to 1.00	.50	to 2.00
Maryland, Shawyer, Taft, Extra	1.00	to 4.00	2.00	to 4.00
" " Ordinary	.50	to 1.00	.50	to 2.00
Russell, Hadley, Ophelia	2.00	to 8.00	2.00	to 6.00
Carnations, Fancy Grade	1.00	to 2.00	1.00	to 2.00
" " Ordinary	.50	to 1.00	.50	to .75

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1008 Vine St., PHILADELPHIA, PA.

**THE Florists' Supply House of America****H. BAYERSDORFER & CO.**

1129 Arch St., Philadelphia, Pa.

Flower Market Reports

(Continued from page 701)

KNOXVILLE, TENN. The weather remains warm and, although we have had a frost, much out-door stock is still on the market, especially chrysanthemums, and trade is not as good as it might be under more favorable conditions. Stock of all kinds is plentiful. Chrysanthemums are fine; Roman Gold, Nellie Pickett, Dr. Enguehard, Chas. Razer, Col. Appleton and many other varieties are now in full crop and never were finer than this season. Carnations are gradually growing better and are enough to more than supply the local demand. Roses are not very good.

NEW YORK There is nothing that we can say regarding market conditions except that they are much worse than last week. Chrysanthemums of all kinds are exceedingly plentiful with a tendency to lower prices. Lily of the valley is also abundant and 2c. seems to be the top price. Lilies are clearing out nicely. Roses are not going near as well; the high grades especially seem to be suffering the most. American Beauties, if anything, have improved in price as quotations will show. Narcissus Paper White are getting to be a glut at six bunches for \$1.00.

PHILADELPHIA The flower trade is holding on a fairly even keel here. The trading has been of good volume but prices on the whole have remained very moderate. Chrysanthemums dominate the market. There is a good demand for them but the supply is so large that prices for even choice stock are very low. Bonnaffon and Razer are the leaders. Roses are very plentiful and good and in great variety. Buyers may choose among thirty or forty new and standard sorts instead of the old three or four of a few years ago. Carnations are now of fine quality and sales fair; but the prices are lower perhaps than ever before known for them at this time of year. Gardenias are fine and the demand has improved slightly. The orchid situation is pretty fair, prices reasonable and they are moving well. Lily of the valley rather on the scarce side although prices have not as yet advanced any.

SAN FRANCISCO Retail activity in this city is steadily increasing, and the larger down-town shops are particularly busy just now. The wholesale market, however, is not in altogether satisfactory shape. Florists in the interior are still relying largely on home-grown stock, and with fine weather still prevailing, there is considerable competition from outdoor flowers. Shipping business with eastern points is also rather slow to develop. Chrysanthemums are as fine and as plentiful as ever, the supply, indeed, being excessive, as they are hardly as much sought after as before. Prices have been sagging in consequence. Carnations are very plentiful, and while the average quality is improving, decidedly easy prices prevail on ordinary offerings. Violets even yet are hardly at their best, needing colder weather to harden them up a

FANCY OR DAGGER FERNS

New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

Discount on large orders

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

Tel. Office, New Salem, Mass.
L. D. Phone Connection.



Bronze and Green Galax, \$1.00 per 1000;
\$7.50 per case of 10,000.
Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c, or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00 per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.

Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Milington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 7 1914		First Half of Week beginning Nov. 9 1914	
Cattleyas.....	10.00	to 25.00	15.00	to 25.00
Lilies, Longiflorum.....	3.00	to 4.00	4.00	to 6.00
" " " Rubrum.....	1.00	to 1.50	1.00	to 1.50
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.15	to .25	.15	to .40
Corn Flower.....	.....	.....	.....	.....
Chrysanthemums.....	4.00	to 15.00	2.00	to 15.00
Sweet Peas (per 100 bunches).....	.25	to .50	.25	to .50
Gardenias.....	5.00	to 16.00	5.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 10.00	8.00	to 12.00
Asparagus Plumosus, strings (per 100).....	25.00	to 30.00	15.00	to 30.00
" " " & Spreen (100 bunches).....	15.00	to 30.00	15.00	to 30.00

little. They are moving well locally, but the shipping movement is limited. More growers are beginning to cut roses, but there is nothing new as to varieties, and there is a tendency to conserve the stock for the Thanksgiving trade. Current offerings, however, are fully as much as the market will absorb. Orchids remain plentiful, but find a very fair market. Gardenias are rather scarce at the moment, as the leading growers have not commenced cutting from their new plants, preferring to hold them until there is more demand. Greens are quite plentiful, and some California holly berries are appearing, though not yet in large quantity. It is reported that some eastern firms have arranged to ship these berries east in large quantities from the Sierra mountains.

ST. LOUIS The supply of cut flowers still crowds up the market so that prices

in some cases have dropped lower than ever before. Chrysanthemums have the call over all other stock and will have as long as they last; all the late varieties are now coming in and some of the early ones are still with us. Roses are slow in demand. Sweet peas sell well, also violets. Carnations are, like roses, slow in demand and large in supply and of fine quality. The retail business has been dull, but with cooler weather this week the demand should be better and the prices higher.

WASHINGTON A return of the warm weather has served to fill the local market with flowers of all varieties. There is a large oversupply of chrysanthemums, and great difficulty has been experienced in finding a market for these, although the shipments to other flower centers have been very heavy. No better flowers than these have ever been seen in Washington, and the consignment of large quantities to the ashheap is all the more regrettable. There are large amounts of roses and carnations, but the predomi-

nance of chrysanthemums has caused them to be very sluggish. These have been taken up in part by the many small weddings which have also offered a favorable market for lily of the valley. Christmas Pink and white sweetpeas are now to be had, but the quality of these flowers is poor and stems short. Violets are still scarce, although in good demand. Carnations are daily improving; the quantity last week was excessive. Gardenias are stronger and in a little better demand. Dendrobium formosum is in heavy supply and other spray orchids are quite plentiful. In roses, Afterglow is a recent arrival, but with Fire Flame they constitute an exclusive grade sought after by only the better classes. The leading chrysanthemums of the week are Colonel Appleton, Amorita, Mrs. Shaw in both pink and white, Major Bonnaffon, Charles Razer and Dr. Enguehard.

ILLNESS OF CHARLES H. TOTTY.

The sole important topic in New York this week is the serious illness of Charles H. Totty. He was a visitor at the Flower Show in the American Institute in the Engineers Building on Wednesday, apparently as well as ever. Upon his return home he was taken suddenly ill and was removed to the Overlook Hospital, Summit, N. J., on Friday, where an operation had to be performed immediately for appendicitis. It turned out to be a very serious operation as peritonitis had set in and the operation took almost two hours. For a long while Mr. Totty's condition was critical, but we are pleased to say at the time of writing he is slowly on the mend and the doctors hold out hope now that he will pull through.

J. H. Troy has severed his connection with the Rosary Flower Co., 24 E. 34th street, New York City. For the present, however, he retains 25 per cent. of the stock of the corporation.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

E. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

AUCTION SALES

Elliott Auction Co., New York City.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

BAY TREES

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

BERBERIS THUNBERGII

Old Town Nurseries, M. P. Haendler, Prop.,
So. Natick, Mass.
For page see List of Advertisers.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on
demand. JULIUS ROEHRS CO., Ruther-
ford, N. J.

BOXWOOD SPRAYS

The Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

FANCY BOXWOOD SPRAYS.

Bright Green Dwarf and Tree varieties,
direct from Southern Plantations, every
pound guaranteed. Packed in light weight
freight or express containers. Let us
quote you on your requirements. Sample
free. PITTSBURGH CUT FLOWER
COMPANY, 121 Sandusky St., Pittsburgh,
Pa.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Fall Bulbs.
For page see List of Advertisers.

Henry F. Michell, Philadelphia, Pa.
Bulb Headquarters.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.
For page see List of Advertisers.

New England Nursery Co., Bedford, Mass.
For page see List of Advertisers.

Arthur T. Boddington, New York City.
Quality French Bulbs.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CANES

Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

CANNAS

Conard & Jones Co., West Grove, Pa.
Swastika Brand Cannas.
For page see List of Advertisers.

Canna Specialists.

Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

CARNATION STAPLES

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 1000 for 35c.; 3000 for \$1.00 post
paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing
split carnations, 35c. per 1000; 3000 for
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Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COLEUS

Coleus, Verschaffelti, Golden Bedder and
Queen Victoria, strong plants from 2-in.
pots. \$1.50 per 100; \$12.50 per 1000. W. E.
KING, Box 1365, Little Silver, N. J.

CYBOTIUMS

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

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Dahlias—2500 field clumps, latest varie-
ties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS
are the best on the market; 800,000 Clumps
to offer, at rock bottom prices, in full field
clumps, and strong divisions. If you are
looking for stock for your 1915 Catalogue,
or for forcing, send at once for free cata-
logue. J. K. ALEXANDER, "The Dahlia
King," East Bridgewater, Mass.

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F. E. Conline Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
Dreer's Variegated Pine Apples.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conline Nursery Co., Stratford, Conn.
For page see List of Advertisers.

For List of Advertisers See Page 679

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechalin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stump & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.

Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

Natural Guano Co., Aurora, Ill.
Pulverized Sheep Manure.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

A. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

B. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2 1/4-in., \$2.00 per 100.

W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Geraniums—S. A. Nutt and Double Grant,
2 1/4-in., \$1.70 per 100. Sample upon re-
quest. FAIRVIEW GREENHOUSES, Mil-
lton, Pa.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

MRS. FRANK PENDLETON.

I am headquarters for pure stock of this
grand pink gladiolus. Write for quota-
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L. MERTON GAGE, Natick, Mass.

I grow gladioli for the florist and land-
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lowest prices. Send for list. HOMER F.
CHASE, Lawrence, Mass.

Write for price list home-grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

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Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.

For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

Stearns Cypress.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Daniel Hiffe, South Weymouth, Mass.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.

Lord & Burnham Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.

For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Ealer, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwkerk, Hoboken, N. J.
For page see List of Advertisers.

Strong plants from field or pots. Write
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ver, N. J.

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Daniel Hiffe, South Weymouth, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co.,
Chicago, Ill.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.

For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.

For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.

For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."

For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.

For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.

For page see List of Advertisers.

B. G. Pratt Co., New York City.
For page see List of Advertisers.

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IRIS—10 named varieties German Iris,
\$2.00 per 100. AMON HEIGHTS NUR-
SERIES, Camden, N. J.

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English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Henry F. Michell Co., Philadelphia, Pa.
Lilium Longiflorum Multiflorum.

For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.

For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.

For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteuma.

For page see List of Advertisers.

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McHutchison & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS—\$8.00 per 1,000; Field Clumps, \$80.00 per 1,000.
HENRY SCHAUMBERG, Hammon, N. J.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphne Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

New England Nursery Co., Bedford, Mass.
Bedford Quality Nursery Stock.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

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Pansies—Mixed, strong plants, \$3.00 per 1,000 or 50c. per 100, by mail. CHAS. FROST, Kenilworth, N. J.

Pansies—Excellent stock, brilliant colors, seedlings with good roots, \$2.00 per 1,000; 35c. per 100. Cash. PETER HERB & SONS, Mt. Healthy, O.

PELARGONIUMS

50 varieties of Pelargoniums, all under name. Send for descriptive circular and price list. JOHN S. LEACH, Hartford City, Indiana.

PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

25 acres devoted to the growing of Peonies; let me figure on your list of wants. GILBERT H. WILD, Sarcoxie, Mo.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PHLOX

PHLOX—Mrs. Jenkins (the best white), \$3.00 per 100. We need the room and have 20,000 surplus. AMON HEIGHTS NURSERIES, Camden, N. J.

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SCALECIDE

B. G. Pratt Co., New York City.
For page see List of Advertisers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Brasian Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.
For page see List of Advertisers.

S. S. Skideelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Peas, \$1.00 to \$5.00 per bushel, No. 1 quality. Leading garden varieties. P. J. WILKINSON, Brookside Farm, Cambridge, Ontario, Canada.

Fottler, Fiske & Rawson Co., Boston, Mass.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. LAGER & HURRELL, Summit, N. J.

SPIRAEA RUBENS

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

STANDARD REGISTERING THERMOMETERS

Standard Thermo Co., Boston, Mass.
For page see List of Advertisers.

For List of Advertisers See Page 679

STOCKS

Stocks, Pink and White, a selected strain, 80 per cent. double, nice stocky plants out of bunch. \$3.00 per 100, cash. W. H. WAITE, Greystone, Yonkers, N. Y.

STOVE PLANTS

Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VEGETABLE PLANTS

RHUBARB

VICTORIA—Large clumps suitable for forcing, doz., \$2.50; 100, \$12. BRECK-ROBINSON NURSERY CO., Lexington, Mass.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphloe Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

WHOLESALE FLORISTS

New York—Continued

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Bents & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue

ARE YOU INTERESTED IN GARDENING, LANDSCAPING, FORESTRY?

Chronicle Press, Inc., New York City.
For page see List of Advertisers.

BEDDING HYACINTHS.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

GARDENIAS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

GLADIOLUS FOR FORCING.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

INCREASE YOUR CANNA SALES

Conard & Jones Co., West Grove, Pa.
For page see List of Advertisers.

MAKE MONEY ON HICKS' EVERGREENS.

Isaac Hicks & Son, Westbury, L. I., N. Y.
For page see List of Advertisers.

REDUCTION IN PRICES OF "NICO-FUME PRODUCTS."

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

SHAMROCK SEED.

Arthur T. Boddington, New York City.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.

SITUATIONS WANTED

WANTED—Head Gardener's or Superintendent's position. Northern and Southern experience in all branches; best of references. W. D. NICKERSON, 116 Putman St., Quincy, Mass.

FOR SALE

FOR SALE.

Two greenhouses, 170 x 35 and 22 x 40. Five room dwelling and 1½ acres of land. Located in Woburn, only 10 miles from Boston and 15 minutes walk from station. On car line. If taken immediately, will sell very reasonably. "G. O." care HORTICULTURE.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M." care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PAB-SHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—McCray Refrigerator, 7 feet long, 5 glass doors, 1 mirror, white enamel finish, nickel trimmings, used only few months. Price very low to settle estate. CHARLES MAYBERRY, 16 Bank Bldg., Clinton, Mass.

FOR SALE—Two Lord & Burnham 9-sectional boilers, 1 No. 15 L. & B. Greenhouse material new, at a reduced price. V. E. REICH & SONS, 1429-31 Metropolitan Ave., Brooklyn, N. Y.

SAN FRANCISCO NOTES.

The Horticultural Society is making great preparations for its annual ball, to take place on the evening of Nov. 14 at Native Sons' Hall in this city. Invitations are in great request, and a record attendance is expected. Arrangements for the affair are being made by Frank Thatcher, of Pelicano, Rossi & Co.

The MacRorie-McLaren Company now has a nice lot of Phalenopsis amabilis, and is letting its cyclamen, of which it has some unusually large plants, go to flower. This company also has some Lorraine and Cincinnati begonias of its own propagation, said to be the first of the kind ever propagated on the Coast, which are the largest that have been seen here.

The decorations for the annual dinner of the Faculty Club of the University of California at Berkeley, carried out by Prof. Gregg and Prof. Stephens of the landscape engineering department, received considerable favorable comment. The leading feature of the color scheme was gold, and some 800 large yellow chrysanthemums were used. This department of the University has made great progress of late, and is getting some fine results in its nurseries. The nurseries are now showing a wonderful variety of new introductions, including mainly Australian and South American plants.

In writing to Advertisers kindly mention Horticulture

Obituary

John L. Parker.

John L. Parker, for many years the leading florist of Birmingham, Ala., and highly respected in business and social life, committed suicide by shooting on Tuesday, Nov. 3. He was 49 years of age. He leaves a widow.

Christian Ackerman.

Christian Ackerman, Sr., of Riverside Floral Co., died at his home in Columbus, Ohio, on Monday, October 26, at the age of 58, after a long illness. He leaves a widow and four sons. Three of the latter were in the business with him.

F. C. Kirchhoff.

Old in experience but still young in years, Frederick C. Kirchhoff passed away at his residence 4705 Milwaukee avenue, Chicago, November 2nd. Mr. Kirchhoff was born in Germany 51 years ago and left the fatherland for Chicago when ten years of age, and began his experience as a florist almost at once. He has been identified with the northwest side of the city and helped greatly to develop it. Three times he built greenhouses and store, only to move farther out and his last place is just nearing completion. Mr. Kirchhoff leaves a widow, two daughters and five sons, two of whom, Edward and Herbert, will continue the business.

John Gilmartin.

The fatal mistake of taking a drink in the dark caused the death in five minutes of John Gilmartin, 42 years old, in his home on the estate of Perce Bros., Waverley Oaks road, Waltham, where he was employed as a gardener.

Before leaving the greenhouses there, Gilmartin filled a pint bottle with a powerful disinfectant and carried it home for use in killing flies. He took a hot mustard bath to help relieve a cold and was about to retire shortly before 11 o'clock when he decided to take a drink of whiskey out of a pint bottle he kept in the house.

Reaching for the whiskey bottle in the dark, he got the disinfectant instead, and took a long drink. Agonized screams brought his wife and two children to his side quickly, but before a physician could be summoned he was dead.

Henry Cannell.

We clip from a lengthy account of the life and achievements of the late Henry Cannell in *The Gardeners' Chronicle*, the following notes:

The news of the death of Henry Cannell, the noted florist and founder of the firm of H. Cannell & Sons, will be learned with regret by gardeners everywhere. He died on the 25th inst. at Swanley, the small Kentish village with which his name is associated, in his 82nd year. Deceased was born at Norwich in March, 1833, the eldest son of a large family. His gardening career commenced at the early age of 11½ years in the nursery business of Messrs. Mackey and Stewart, Norwich. Later he became gardener at Portnall Park, Virginia Water, where he remained for a few years, and on leaving that establishment he opened a nur-

sery business at Woolwich on land belonging to his uncle. His new enterprise prospered, but the district was unsuited to plants, and he removed to Swanley, away from the smoke and fog of the Metropolis. How the "Home of Flowers" at Swanley grew into one of the largest nursery businesses in the country is well known, as is also the great part its owner played in the popularizing and developing of such florist flowers as the chrysanthemum, pelargonium, fuchsia, dahlia, Chinese primula, violet, heliotrope, canna and begonia. During more recent years Mr. Cannell directed his labors more especially to the improvement of zonal-leaved pelargoniums and cannas, and his exhibits of these flowers were always features of the R. H. S. fortnightly meetings. He was greatly interested in cactaceous plants, and it was his pride to refer to his collection as one of the most complete in the country. Mr. Cannell was a cultivator of unusual ability, and, in addition, he possessed a keen business aptitude.

The Victoria Medal of Horticulture was conferred on him in 1902. The troubles of his closing years were somewhat alleviated by horticultural friends, who contributed a fund for a pension. Amongst his most treasured possessions was a gold medal from the inhabitants of Eynsford, who also planted an elm tree in the principal part of the village in his memory. Misfortunes followed his declining years, at a time when, owing to failing sight and health, he was unable to cope with them. Had he been able to fight his trouble with youth and vigor on his side, we are convinced that his grit and determination would have surmounted every obstacle, for Henry Cannell was a remarkable man.

MASSACHUSETTS AGRICULTURAL COLLEGE.

On Tuesday and Wednesday, November 3rd and 4th, a chrysanthemum show and exhibition of floral arrangements was given by the Department of Floriculture at the Massachusetts Agricultural College. A large number of exhibition chrysanthemums, all of which were grown in the college greenhouses, were shown. A contest among the Junior students in table decorations added materially to the interest of the show. Wedding bouquets of roses, corsages, and baskets and box arrangements of various kinds of flowers were done by the Seniors in the course. Exhibits of new varieties of flowers, potted plants, and pottery were sent by growers and people in the trade. The entire exhibition was much larger than any held by the Department in former years and was visited by over a thousand people from all parts of the state as well as from the near vicinity.

The exhibits were prepared and arranged under the supervision of the department staff assisted by the students of floriculture. The chrysanthemums in more than seventy exhibition and commercial varieties surpassed all expectations and elicited much favorable comment. A feature was an arrangement of palms and decorative plants interspersed with pot plants of large, single-stem yellow and white chrysanthemums. Other banks and masses of decorative plants with

ARE YOU INTERESTED IN Gardening Landscaping Forestry IF YOU ARE You cannot afford to be without the GARDENERS' CHRONICLE OF AMERICA.

The contributors to the Chronicle are authorities on the subjects on which they write. In addition its columns each month contain digests of the foremost topics appearing in leading American and European horticultural periodicals.

The Chronicle is the official organ of the NATIONAL ASSOCIATION OF GARDENERS and AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Published Monthly
One Dollar the Year

Send your subscription now for the year 1915 and receive the November and December issues gratis!

CHRONICLE PRESS, Inc.
(Publishers of *Gardeners' Chronicle*.)

286 Fifth Avenue, New York.

single chrysanthemums in pots formed a background for the exhibits.

The Junior students showed both taste and skill in decorating their tables. In this class were sixteen entries for which three prizes were awarded. Miss Esther Chase of Holden, Mass., received the first prize of \$5.00 for a very light and dainty design of Fairy Queen (light pink pompon) chrysanthemums and adiantum. Miss Gertrude White won second prize, \$3.00, with a low decoration of Dorothy Dann (bronze single) chrysanthemums and Asparagus Sprengeri. A table decoration of foliage of Japanese maple and Dorothy Dann chrysanthemums gained third prize for Mr. McKechnie. Ornamental vases and pottery, baskets and other accessories of the florist were displayed. Large vases of chrysanthemums and box trees were used in the general scheme of decoration.

Interesting exhibits by growers were sent in. Henry A. Dreer, Inc., of Phila., exhibited plant novelties, crotons, adiantums, asparagus, etc.; F. R. Pierson, of Tarrytown, N. Y., showed different types of Nephrolepis; Butler & Ullman of Northampton, Mass., had an exhibit of accessories of the retail florist. Peter Fisher, of Ellis, Mass., and the Montrose Greenhouses of Montrose, Mass., exhibited specialties in carnations and roses.

Tuesday evening the Holyoke and Northampton Florists' and Gardeners' Club met at the college in conjunction with the M. A. C. Florists' and Gardeners' Club. Mr. Butler of Northampton gave an interesting talk on floral decoration.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Greenwood, Va.—W. R. Massie, house 20x50.

Ashton, Ill.—E. B. Arnould, vegetable house, 24x100.

Toledo, O.—Wm. Conrade, range of vegetable houses.

Port Huron, Mich.—City of Port Huron, house, 20x60.

Quincy, Ill.—Joseph Holschlag, 1133 S 12 street, one house.

Baldwinville, Mass.—F. W. Murdock, Pine street, one house.

Childs, Md.—Lyman A. Spence, Lord & Burnham house 20x25.

Medina, O.—Hammerschmidt & Clark, Foley house 21x95.

Milwaukee, Wis.—P. Haasch, 1265 Hopkins street, one house.

Groton, Ct.—Bernard B. Baldwin, Chicago avenue, house 16x50.

West Acton, Mass.—Samuel Maynard, vegetable house, 40x178.

De Kalb, Ill.—J. Leonard Johnson, Lincoln Highway, house 30x116.

Yarmouth, Me.—James Leighton, by Lord & Burnham, Boston, iron house, 35 x 150.

Waterbury, Conn. — Unconscious from illuminating gas poisoning since last Saturday morning, Mrs. Ellen N. Ryan, mother of George T. Ryan, the florist, of 22 East Main street, is lying at death's door in St. Mary's Hospital as a result of failing to turn the gas off completely when she retired early Friday evening. Since the discovery of the woman lying unconscious in her bed in her apartments at 16 East Main street occurred she has failed to respond to the most vigorous treatment and absolutely no hope is held out for her recovery. There is every indication that the case was purely accidental.

LEMON OIL CO'S STANDARD SOLUBLE IN WATER INSECTICIDE NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 20 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little often than too much all at once.

We offer the genuine in original cwt. Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stump & Walter Co.

30-32 Barclay Street, NEW YORK

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists' Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards, CHICAGO, ILL.
Telephone—Drover 1932.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

THE APHINE MANUFACTURING COMPANY

Caterers to Florists and Gardeners

Manufacturers of



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

"40% NICOTINE"

A free nicotine, 40% strength, for spraying and vaporizing.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

GEO. A. BURNISTON
President

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IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

"SCALECIDE" SAVES MONEY

"SCALECIDE" at \$25 per barrel is cheaper than Lime Sulphur at \$6, because 37 lbs. of L. S. will cost \$20, plus \$22.50 to apply, or \$42.50. One barrel of "SCALECIDE" will spray just as many trees, and spray them better, and will cost only \$25, plus \$12 to apply. You save \$5.50 and get a better protection against San Jose Scale, Leafroller and all other scale insects in dormant season. Write for prices and conditions of the Tree Saver." B. G. Pratt Co., 57 Clark St., St. Louis, Mo.



**NIKOTEEN For Spraying
APHIS PUNK For Fumigating**

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

FERTILENE

The Ideal Plant Food.

Unequal for Producing Lusty Chrysanthemums

Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. P. O. R. Ad., Adrian, Mich. One ounce is sufficient for 100-200 plants. Full directions accompany each package. Prepared and Sold only by FLEMER D. SMITH & CO., Adrian, Mich.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half

HEWS STANDARD POTS

AND RED EARTHENWARE SPECIALTIES

World's Largest
ManufacturersWrite for Catalogue
and Discounts

A. H. HEWS & CO., Inc., Cambridge, Mass.

Warehouses:
CAMBRIDGE, MASS.,
LONG ISLAND CITY, N. Y.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Dreer's Peerless Glazing Points

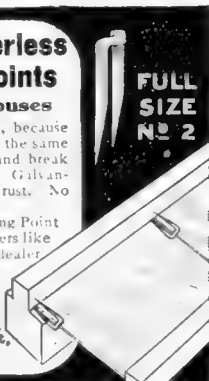
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c, postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2

1000 READY PACKED CRATES

STANDARD FLOWER POTS AND BULB PANS

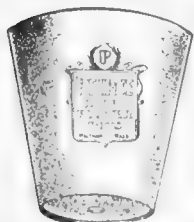
can be shipped at an hour's notice. Price per crate:

2000	1 1/4 in.	@ \$6.00	500	4 in.	@ \$4.50
1500	2 "	" 4.88	458	4 1/2 "	" 5.24
1500	2 1/4 "	" 5.25	320	5 "	" 4.51
1500	2 1/2 "	" 6.00	210	5 1/2 "	" 3.78
1000	3 "	" 5.00	144	6 "	" 3.16
800	3 1/2 "	" 5.80	120	7 "	" 4.20
			60	8 "	" 3.00

HILFINGER BROS., Pottery, Fort Edward, N.Y.

August Rolker & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and Trade Export



The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

PATENTS GRANTED.

1,115,673. Undertaker's Flower Display Stand. Gottlob F. Honold, Sheboygan, Wis.

1,116,227. Window Box for Flowers. Thomas P. Bolger, Gloucester, Mass.

NEWS NOTES.

Clinton, Mo. J. M. Holmes & Son have purchased the Barnhart greenhouses.

New Haven, Ct.—The Elm City Nursery Co. are planning to remove their offices and nurseries to Woodmont, Ct., where they have two hundred acres of land.

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house which in

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tions is the weak-

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ice-clearing and

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water of con-

densation from the inside, and it is so

constructed that almost the entire end

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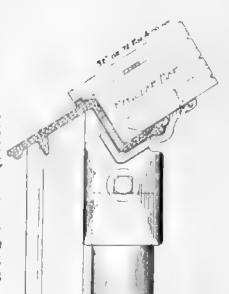
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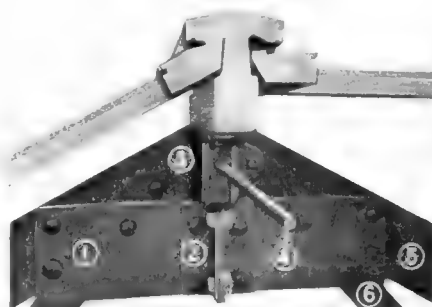
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THE more work we can do in our factory on a greenhouse, the better. It brings the cost down for you and means quicker erection on the job. One radical departure in our *Reconstructed Construction* is the complete assembling and hot-riveting together of the rafter, from the ridge to the column, in connection with the main members and strut of the double angle iron truss. See bottom cut.

To splice this assembled rafter and truss together at the ridge we use an Angle Splice Plate and bolts. See top cut, part No. 2.

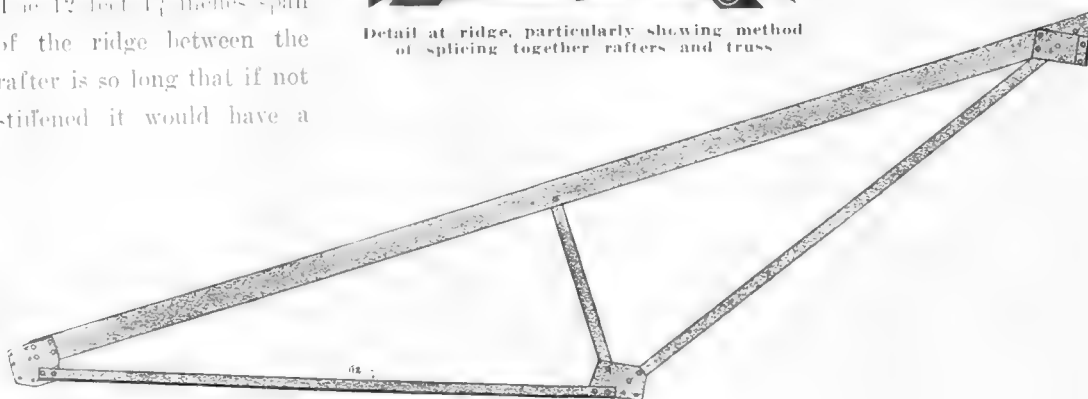
The 12 feet 13 inches span of the ridge between the rafter is so long that if not stiffened it would have a

tendency to sag. To prevent this we run a light steel rod truss from rafter to rafter with a strut in the centre. See top cut, part No. 1. Now take particular notice of the extra wide ridge cap overhang and how it is milled out to take the sash, making a weather tight cap that is weather tight. See top cut, part No. 7.



Detail at ridge, particularly showing method of splicing together rafters and truss

Notice also, the notch that is milled on the sash to prevent the wind forcing the water between the sash and cap. In the next Ad. we will tell you still more about the ridge and further about the rafter truss.



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Vol. XX
No. 21
NOV. 21
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LIST OF ADVERTISERS

Page
Advance Co.747
Albany Cut
Flower Ex.738
Allen, J. K.738
Anderson, S. A.733
Aphine Mfg. Co.745
Aschmann, G.716
Asmus, Geo.734
Ayres Co., S.
Bryson730
Badgley, Riedel
& Meyer738
Barrie, Geo. N.746
Barrows & Son.716
Bayersdorfer, H.
& Co.738
Bay State Nur-
series714
Bobbink & At-
kins729
Boddington, A.
T.731
Bolgiano & Son,
J.731
Boston Florist
Letter Co.736
Breck, J. & Sons.731
Breitmeyer's, J.
Sons732
Bryan, Alonzo J.716
Burnett Bros.730
Burpee, W. A. &
Co.730
California Seed
Growers' Asso.731
Carter's Tested
Seeds, Inc.730
Childs, John
Lewis730
Clarke's, D.
Sons732

Page
Conine, F. E.
Nursery Co.716
Cowee, W. J.736
Cruz, Robt. Co.716
Critchell, C. E.736
Crowl Farm Co.739
Dards732
Davenport, A. M.716
Dorner, F. &
Sons Co.716
Drer, H. A.
714-746-747
Dunlop, John H.733
Dysart, R.733
Edwards Folding
Box Co.736
Elliott Auction
Co.727
Ernest, W. H.746
Esler, J. G.747
Eyles733
Farmers and
Florists Fertil-
izer Co.745
Farquhar, R. &
J. & Co.714
Fisher, Peter716
Foley Mfg. Co.747
Ford, M. C.738
Ford, W. P.738
Fottler, Fiske,
Rawson Co.731
Framingham
Nurseries714
Froment, H. E.738
Galvin, Thos. F.733
Gasser Co., J. M.733
Graham, Adam
& Son732
Grey, Thos. J. &
Co.731

Page
Gude Bros. Co.733
Haendler, M. P.729
Hall Association.747
Hart, Geo. B.738
Heacock, Jos.716
Henderson, A. &
Co.730
Hess & Swoboda.732
Hews, A. H. &
Co.746
Hilfinger Bros.746
Hill, E. G. Co.736
Holland Nurser-
ies729
Holm & Olson.732
Irwin, R. J.730
Jacobs, S. &
Sons747
Kasting, W. F.
Co.736
Keller, J. B.
Sons732
Keller, J. M. Co.716
Kentucky Tobac-
co Product Co.745
Kervan Co.738
King Construc-
tion Co.746
Komada Bros.738
Kramer, F. H.733
Kroeschell Bros.747
Kuebler, W. H.738
Lager & Hurrell.716
Lemon Oil Co.745
Leonard Seed Co.731
Loechner & Co.715
Lord & Burnham
Co.748
May & Co., L. L.733
McCarthy, N. F.
& Co.736

Page
McConnell, Alex.732
McHutchison &
Co.714
McManus, Jas.738
Meyer, John C.
Co.735
Meyer, Chas. F.715
Michell's Seed
House730
Michigan Cut
Flower Ex.736
Millang, Chas.738
Moore, Bentz &
Nash738
Murray, Samuel.732
National Nursery-
man714
Natural Guano
Co.714
New England Nur-
series714
Nicotine Mfg. Co.745
Niessen, Leo Co.736
Oechslin, Ernest.716
Old Town Nur-
series729
Ouwerkerk, P.729
Palmer, W. J. &
Son732
Park Floral Co.732
Parshelsky Bros.716
Peirce, E. Allan.716
Pennock-Meehan
Co.737
Peterson, J. A.
& Sons729
Pierce, F. O.716
Pierson, A. N.716
Pierson, F. R.
Co.729-733

Page
Plantlife Co.745
Plant Food Co.,
20th Century.745
Poehlmann Bros.736
Pratt, B. G. Co.745
Pulverized Ma-
nure Co.745
Quaker City Ma-
chine Co.747
Randall's Flower
Shop733
Reed & Keller.738
Reid, Edw.736
Renter's733
Rice, M. Co.733
Roehrs, J. Co.728
Roland, Thomas.716
Rolker, A. &
Sons715
Rosery, Thos.732
Schiller734
Schling, Max.733
Schwake, Chas.
& Co.715
Shordan, W. F.738
Sharp, Partridge
& Co.747
Sobrecht, Geo.
Co.738
Siggers & Sig-
gers746
Skidelsky, S. S.
& Co.731
Sluis & Groot.731
Small, J. H. &
Sons733
Smith, P. J.738
Smith & Co., E.
D.745
Smith & Hemen-
way Co.728

Page
Smyth, Wm. J.732
Smith, W. & T.
Nursery Co.714
Stamford Seed &
Nursery Co.730-733
Standard Thermo-
Co.747
Storrs & Harri-
son716
Stumpp, G. E. M.732
Stumpp & Wal-
ter Co.729-745
Thorburn, J. M.
& Co.731
Traendly &
Schlenk738
Trepel, C. C.729
Valentine, J. A.732
Vick's, James
Sons731
Vincent, R. Jr.
& Sons Co.715
Wants For Sale.743
Ward, R. M. &
Co.716
Warendorff, A.732
Weber, F. C.733
Welch Bros.736
Whittier & Co.,
W. B.714
Wood Bros.716
Woodruff, S. D.
& Sons731
Woodrow & Mar-
ketos736
Young, A. L.738
Young, John738
Young & Nugent.732
Zinn, J. A.733
Zvolanek, Ant. C.731

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When Writing to Advertisers Kindly Mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*L. J. P.*

Cinerarias for Christmas

Plants intended for Christmas should by this time be well advanced in 5 or 6-inch pots. Where the roots have filled their pots they should have some manure water at least once a week. See that they are given plenty of room between the plants so they will not draw. Do not try to force cinerarias in a high temperature, as it will spell ruin. They should be kept as near to 45 degrees as possible during the night with 10 to 15 degrees higher with sunshine. Keep the atmosphere cool by free ventilation. Keep a sharp outlook for greenfly. Give them a fumigation every week and you will be sure to have nice clean plants. Give them full sun.

Irises for Forcing

These flowers are coming into favor every year. Flats about 4 or 5 inches deep and of ordinary size, should hold about 45 to 50 roots with ease. They like a good compost, say three parts fibrous soil to one of well-rotted manure. Give them a temperature of about 45 degrees at night. When they have made good roots they will stand from 5 to 10 degrees higher. These plants will not stand anything like hard forcing. Keep the compost moist as they do not like to become dry at the roots. Give them a good light bench and well up to the glass.

Lilium speciosum

Lilium speciosum should be planted just as soon as received. For a compost use fibrous loam three parts, well-rotted manure one part. Be sure to give plenty of drainage as next spring they will need lots of water which should pass off freely. A single bulb can be put in a six-inch pot, but a better plan is to allow three bulbs to an 8-inch pot and six bulbs to a 10-inch pot. These make good sizes when the flowers are wanted for cutting. See that they have a good soaking of water and are kept in a moist state. A good place for them is in a cold frame where they can be covered with about six inches of soil. When the weather becomes cold they will want the protection of sashes and later on some long manure or hay to prevent too hard freezing.

Resting Bougainvilleas

Bougainvilleas should by this time have made all the growth necessary, which should now be followed by a ripening process, but, of course, this should be done gradually or harm will result. From now on up to January they should have a period of rest. Start by withholding water gradually giving less each week until they are at a point of flagging when they should have enough water to freshen them up. Keep only enough moisture in the soil to overcome absolute dryness. Give free ventilation to keep the atmosphere dry and cool. This treatment will assist the wood in maturing. Do not keep them in a high temperature. Anywhere around 50 degrees at night will do.

Paper White Narcissi

Paper whites must have time to develop plenty of roots before they can receive any forcing. After they

have made plenty of roots they will take from 7 to 8 weeks to bloom in a temperature of anywhere from 50 to 58 degrees at night. Give them all the sunlight possible. Batches brought in from a cool house every ten days will give a succession of bloom. When they are fairly well out they can be placed back in a cool house, thereby holding them in good condition for some little time. They will want abundance of water at the roots just as soon as they have made plenty of roots. In order to have flowers with good substance and strong stems they will need plenty of ventilation whenever possible. They can be well syringed until they start to open, but after that syringing should stop.

Spiraeas

Clumps of spiraeas when they arrive should not stay in the boxes as they usually get dried up in transit. Give each clump a thorough soaking in a tub of water, and if there is not time to pot them up now, lay them in a trench outdoors. These can be brought in later. Be sure to give them a rich compost when potting as they are rank feeders.

Mr. Farrell's next notes will be on the following: Allamandas; Carnations; Gardenias; Propagating Crotons; Rhododendrons; Asters.

Chinese "Wool Flower"



This odd-looking celosia, which attracted much curiosity at the New York Shows is an annual, the seed of which was sent to me from China, four years ago. I have grown it now for three seasons and shall introduce it in 1915. It is as easy to cultivate in the garden as any of the celosias. The blooms begin to develop in July, and continue to increase in size and numbers until killed by the frost; none of the blossoms fade until injured by cold weather. It grows about two feet high, branches freely; each plant shows twenty or more main heads of bloom, but every stem is full of laterals showing

small bloom. So the plant is as near a solid mass of color as anything I have ever seen in cultivation. It is a very shy seeder, some plants producing no seed at all, and others only a dozen or two. It is in my judgment, the best and most showy all-around annual in cultivation. The color of the flower head is rich crimson, and on measurement the circumference was $13\frac{1}{2}$ in. The stems are half an inch thick.

John A. S. S. S.
Flowerfield, N. Y.

Ilex opaca

The American Holly is very well known as a Christmas decoration but in plantings and as a garden ornament it is altogether too little used. The northern limit of this plant is in the country just south of Boston, Mass., but with a slight protection or in the right situation, a northern exposure on sloping ground, it will prove fairly reliable—in fact there are several large specimens in and about Boston. It is the only holly that can withstand the rigor of our New England winters without injury and without protection other than as above mentioned. Sometimes its leaves may be injured if it is too openly planted and does not receive partial shade from neighboring trees.

(*Ilex Perneyi*, one of Wilson's Chinese discoveries, gives good promise of being hardy in Boston. It is very beautiful.—Ed.)

Ilex opaca will form a small tree up to fifty feet in height, with short, stout branches, and a narrow pyramidal head. The leaves are too well known to need description. The berries on the American variety are not as handsome as those of *Ilex aquifolium*, the European variety, nor are the leaves as highly polished, but in that the shrub is considerably more hardy this extra beauty can easily be dispensed with.

The American Holly cannot be said to transplant entirely successfully when collected from the woods for it then takes on a blacker look and appears sickly. However, plants are raised easily enough in other ways. In procuring stock one should be careful to get only that from the coldest and highest attitudes where the plant is found wild, as this tends to make hardier trees. Care should also be used in selecting stock from a fruiting tree, for being a dioecious plant, the beauty of the berries will be lost unless good selection is made. Propagation may be effected by division, by which method a fruiting plant may be procured, but a very prolific individual should be selected from which to make the divisions. This process, however, is necessary when only one or two plants can be afforded, but where possible, propagation from seeds is the best. Where there are a large number, seedlings can no doubt be easily selected, as there will be among them a sufficient number of fruiting plants to make the collection interesting. The seeds germinate slowly, sometimes not producing plantlets till the second season. Dry gravelly soil is generally conceded as the best for the development and growth of the species.

Ilex opaca would doubtless prove a valuable hedge plant in the latitude of southern New York and Pennsyl-

vania, if it could be purchased at reasonable prices. Especially would this be true in the region near the sea-coast for it seems to thrive especially well in the salt air.

It is interesting to note that often some of the leaves are wholly without spines and the margin becomes entire. Often it is found that the lower branches are clothed in spiny leaves and the upper in the entire and spineless ones. This is also true of the English holly.

Hubert M. Canning.

Jamaica Plain, Mass.

Cattleya Dowiana Memoria Julius Roehrs



TOP—DOWIANA TYPE. BOTTOM—MEMORIA JULIUS ROEHRS

The beautiful cattleya which is the subject of our cover illustration this week has recently appeared, flowering for the first time, in a lot of imported *Cattleya Dowiana* and has been named *Memoria Julius Roehrs* in respect to the late Julius Roehrs of Rutherford, N. J.,—a well merited compliment to a man who during his life did much for the cause of orchid culture in the United States. The flower differs from the type in that the lip is gold and orange-veined, without a trace of any other color. In fact it is an all-yellow *Dowiana* and for hybridization purposes to get an absolutely pure yellow cattleya its value cannot be estimated. On this page we again show the flower, with a bloom of true *Dowiana* above it for the purpose of comparison.

THANKSGIVING DAY NOTICE

THANKSGIVING DAY COMES ON OUR USUAL PRESS DAY NEXT WEEK THURSDAY. CORRESPONDENTS AND ADVERTISERS SHOULD PLAN, THEREFORE, TO HAVE ALL COPY FOR THAT ISSUE REACH OUR OFFICE NOT LATER THAN WEDNESDAY MORNING, NOVEMBER 25.

ROSE GROWING UNDER GLASS

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Damping Down

Even in houses that have a good deal of concrete work on the floors, damping down from now on should be omitted, by all means. The moisture coming out of the soil in the benches as these dry out will be all that is necessary to keep the air in the houses right. Under ordinary conditions, we never employ damping-down at all, as we find no benefit by so doing, and as a rule find that blackspot will start much sooner in houses where damping-down was practised than where it was not. This method may be all to the good in other branches of the business but we would keep it out of the rose houses altogether.

Fumigation

Do not wait until greenfly and other pests appear before starting to give them a dose of smoke or gas. The same applies to spraying, and it is much better to use a weak spray oftener than a strong spray only once in a while. Even though the plants do not show any ill effects from smoke or spray we believe that it affects them just the same, and as soon as the dose is made too strong, then the injury is at once visible. Try to fumigate just before syringing—that is, the night before. If there are any flies left alive, they will not be feeling very well, and a good stream of water will finish them up, or else throw them under the benches, and they will be too sick and too weak to crawl back to the plants again. As it is necessary to have the plants wet enough to syringe the next day, the smoking will be much more effective. In fact if the plants are dry at all do not smoke or spray, for even a weak smoke or spray may burn them at this time. During the summer it was best to fumigate while it was raining, for all the little openings here and there in the glass were full of water, thus making the houses much tighter. Now there is always more or less condensation on the glass, and this will keep the houses tight at any time. Avoid burning tobacco stems from now on, for they will prove harmful to the flowers. If the houses dry out well, it would be well to apply some of the tobacco stems to the benches, scattering them well so that they will not lie too thick. They should be applied as evenly as possible, and will then become a plantfood, and an insecticide as well.

Cutting

When cutting the Beauties be very careful not to cut off all the shoots, for a plant like that will seldom amount to anything any more, and more than likely it

will die. Look at the plants well when cutting and if the flower to be cut is the last and only break that the plant has, disbud or rather pinch out the bud, and let the stem remain. This will give the roots something to do, and they will not die; instead the plant will put out new breaks in the near future. Although it is well not to let the buds get too far open before they are cut, it is profitable to let them remain on the plants until they have a chance to become large, and well pointed. This will make them almost twice as large when they become fully open.

Disbudding

Never neglect this very important item, especially now when even the best of stock brings small prices. Stock that is not disbudded when it should be, will have much smaller buds, and will appear somewhat disfigured, to say the very least. Keep right after your growers—or after yourself for that matter—and see that this is attended to as it should be.

Sand

Before the bad weather sets in, it is well to see that there is a good supply of nice sand for propagating for the coming season, for where large quantities of plants are required, propagation begins right after Thanksgiving. Unless the sand is to be used immediately, we would never recommend putting it into the propagating house at once. Should this be done, and no cuttings put in at once the sand will get full of disease germs of all kinds, and will not be very healthy for the cuttings when these are finally put in. Keep the sand in a clean shed somewhere until it is wanted and then put it in the benches, and as soon as it is warm enough, put the cuttings into it.

Old Beauty Plants

Plants that have been cut down, and run another year, should be doing very nicely, and great care should be exercised in cutting from these so as not to cut some of the plants all off. The notes on cutting written above will apply well to these plants. Then be careful with the water. Mark all that are suffering from too much water with a little lime, and then keep the water away from these when the other plants are watered. Carefully cutting will keep these plants all even and there will be none that will suffer. It seems like waste to disbud a perfectly good bud, and leave the stem, but it will pay in the long run, and is what counts in the end. It is not one day's cut that makes the money. It is the average all the year through.

Next Week: Sheep Manure; Soot; Storing Manure; Soil for Potting; The Coal Supply; Electric Lights.

BOOM YOUR BUSINESS
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Horticulture

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CITY THAT PAYS.

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CONTENTS

Page

COVER ILLUSTRATION—Cattleya Dowiana Memoria Julius Roehrs	
NOTES ON CULTURE OF FLORISTS' STOCK—Cinerarias for Christmas—Iris for Forcing—Lilium speciosum—Resting Bougainvilleas—Paper White Narcissi—Spiræa— <i>John J. M. Farrell</i>	717
CHINESE "WOOL FLOWER"— <i>John Lewis Childs</i> —Illustrated	717
ILEX OPACA— <i>Hubert M. Canning</i>	718
CATTELEYA DOWIANA MEMORIA JULIUS ROEHR'S—Illustrated	718
ROSE GROWING UNDER GLASS—Damping Down—Fumigation—Cutting—Disbudding—Sand—Old Beauty Plants— <i>Arthur C. Ruzicka</i>	719
LYCHNIS— <i>Richard Rothe</i> —Illustrated	721
FALL TREATMENT OF VINES— <i>J. W. Smith</i>	721
THE EXHIBITIONS—Lancaster County Flower Show—Chrysanthemum Show at University of Illinois—Minnesota State Florists' Association	722
American Institute of New York	723
BURPEE'S FORDHOOK HYBRID GLADIOLI—Illustrated	723
CLUBS AND SOCIETIES—Program National Association of Gardeners' Convention—Westchester and Fairfield Horticultural Society—Gardeners' and Florists Club of Boston—University of Illinois Horticultural Club Gives Reception—Connecticut Horticultural Society—An Appreciative Reply	724
Meeting of the National Flower Show Committee—St. Louis Club Meeting—Notes	725
CHRYSANTHEMUM SOCIETY OF AMERICA—President's Address	726
THE GARDENER AND HIS PROFESSION— <i>W. N. Craig</i>	726
BRITISH HORTICULTURE— <i>W. H. Adsett</i>	727
OBITUARY—E. E. Peiser, Portrait—J. Lowe Parker—Cyrus A. Balkan	728
SEED TRADE—Holland Seed Supply—Notes	730
OF INTEREST TO RETAIL FLORISTS:	
The Retailer's Business Calendar	732
Flowers by Telegraph	733
Two Views in New Flower Store of George H. Cooke—New Flower Stores	733
NEWS ITEMS FROM EVERYWHERE:	
Boston—San Francisco—Springfield, Ill.	734
Knoxville—Cincinnati	735
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati, Knoxville, New York	737
Philadelphia, San Francisco, St. Louis, Washington	739
MISCELLANEOUS:	
Personal	727
A Versatile Gardener	727
Chicago Notes—Incorporated	728
Visitors' Register	728
News Notes	729-733-744-746
Gladiolus Registration—Catalogues Received	730
Pines Attacked by New Insect	744
Geranium Leaf Spot— <i>R. A. Vincent</i>	744
Greenhouses Building or Contemplated	746
Silkworms and Tools	746
Patents Granted	746

On the right track Felicitations to Lancaster, Pa., on their success in carrying through a flower show in modern, progressive lines, as told in our news columns. Every city in the country can do equally as well, if the local trade and profession will only follow Lancaster's good exam-

ple and, forgetting immediate self-interest, for the time being, all get together enthusiastically for the general good. The lively impulse given by these local affairs when properly conducted and the resultant increased interest in and demand for the products of the florist cannot be overstated. In the lesser communities they are undoubtedly far more potent in this respect than are the more pretentious displays presented to the amusement-seeking public of the metropolitan centres. We congratulate our friends in Lancaster for their good sense and public spirit and we hope to see their progressive example emulated in a score of places next season.

Philadelphia for 1916

We believe that the horticultural interests generally will be much gratified in reading the minutes of the meeting of the National Flower Show Committee held in Philadelphia last week. We present the report in full detail, for, showing as it does, the representative character and standing of the Philadelphia firms who have pledged enthusiastic co-operation in this big undertaking, it eliminates all anxiety as to what support may be expected from the local trade and profession, whose loyalty and zeal are so indispensable to the full success of such an enterprise. That Philadelphia means business and will rise to the occasion with her old-time spirit and unanimity there can be no question. The prime movers have done well to start in thus early. A year and four months is not too far ahead, and we hope the work of schedule making and other preparatory measures will be promptly proceeded with. The situation seems to hold every element for success and a glowing promise that the National Flower Show of 1916 will eclipse in many respects all those that have gone before.

Unfair competition

The seed houses and other horticultural dealers generally in the United States have good and sufficient cause for protest over the increasing number of foreigners who, maintaining no established office here, and paying no taxes of any kind, local, state or income, travel all over this country soliciting business in competition with established American concerns. We have in mind parties whose advertisements and correspondence give as their address, offices where their name even does not appear on the door; no information as to their whereabouts can be elicited, and their only apparent connection therewith is that their mail is there received and held for them. From the prominent location of the addresses thus advertised, trade buyers are led to place a confidence in these migratory prowlers which they would not do if they knew the facts. American dealers and those foreign houses that maintain legitimate offices in this country are called upon to pay income and other business taxes, and some way should be found to hold these shirkers up to a proper responsibility, and compel them to do likewise. A vigorous rounding-up by the business men of New York and other seaboard centres and a presentation of the facts to the proper authorities, State and Federal, is manifestly the remedy for this notorious imposition on the trade.

—Lychnis—

The name *Lychnis*, derived from the Greek *Lychnos*, the lamp, refers to one of the chief characteristics of this hardy plant genus; that is, the strong fiery red of the flowers of its foremost species. Indeed the intensity of the red of *Lychnis chalcedonica*, *L. fulgens* and *L. Haageana* is rarely eclipsed by any other garden flower. The prevailing tendency among many garden owners to keep red out of their color schemes is no doubt in part the reason for their frequent omission in modern gardens. Few perennials can be as easily raised and propagated as *lychnis*. Early spring seedlings flower profusely the first season. All species are extraordinarily hardy, requiring only a minimum of care and particularly the *lychnis* of our ancestors, the well-known London Pride shows a remarkable longevity.

Lychnis at present remains the perennial of the beginner with a small purse undisturbed yet by color riots. It is the perennial of rural housewives and it claims its undisputable space in every old-fashioned garden worthy of the name. But as soon as we take up the cultivation of the white-flowering varieties such as *L. chalcedonica alba plena*, *L. vespertina*, *L. flos-cuculi alba plena* and above all *L. Viscaria alba grandiflora plena* then we begin to realize the existence of beautiful forms well worth their space in modern gardens. The flowers of the last variety mentioned represent a fine material for filling vases. Color harmony supreme or of little concern, I believe we cannot afford to omit the *lychnis*. The rich and glowing magenta red of *L. viscaria splendens* fl. pl. may be an impossibility in many modern color schemes, nevertheless its dazzling strength will always appeal to us so forcefully that we can never lose sight of it. At present



DOUBLE FLOWERING LYCHNIS VISCARIA SPLENDENS

the rock-garden offers the best opportunity to use it to full advantage. Within its precincts we may also enjoy the low dense cushion-like growth of *Lychnis alpina*, covered with legions of little rosy-red blossoms and the two less known species *L. pyrenaica* and *L. yunanensis*.

My impression is that the genus *Lychnis* of late has been somewhat neglected. In taking up the cultivation of the best species and varieties we are apt to increase our cash returns and, in availing ourselves of the opportunities for effective garden use, we doubtless will add to the beauty of our home grounds. I particularly wish to call attention to the quick and easy way of raising the single-flowering species from seed.

Richard Rothe

(Glenside, Pa.)

Fall Treatment of Vines

Established vines that have carried a full crop of fruit should now be given every encouragement to go to rest. If there are any bunches still hanging on the vines they should be removed without further delay and stored in a cool room with the stem of the lateral inserted in a bottle of water to which a few pieces of charcoal have been added to keep the water sweet, placing the bottles at an angle on a shelf or rack to allow the fruit to hang clear of the shelf or bottle. As soon as the foliage is off the vines they should be properly pruned, a sharp knife being the best for this purpose, secateurs being liable to bruise and crush the tissue where the cut is made. When pruned the vines should be thoroughly washed with a good insecticide applied with a brush in order to reach all cracks or crevices where red spider may make their headquarters for the winter. A little extra care in having this cleaning thoroughly done will save lots of time and trouble in the growing season. After pruning and the cuts are dry they should be all well caulked with styptic, rubbing the preparation all over the cut to fill every pore. If only partly done the overlooked part will commence to bleed when started into growth.

Opinions vary as to the harmfulness of this so-called

bleeding but it is not a natural process and would not take place unless the vines were cut and for that reason I should say it were better avoided if possible. When the vines are pruned the house itself should be well washed in all parts with a good strong solution of soft soap to make everything bright and clean for a new start. After washing the house, the top dressing of the borders should next be attended to, first going to work and clearing out all the loose rubbish and soil from the border; then the surface of the border should be carefully removed until the roots are met with, taking as much as possible of the soil from around them without damaging them. When all soil that can safely be taken has been cleared away a good mixture of sound loam and manure should be applied and the roots covered 2 or 3 inches. Manures used for this top-dressing should be of the slow dissolving or lasting kind. Bone, woodash, and a quantity of a good fertilizer containing phosphates and potash are the best for these applications, leaving the nitrogen to be applied in the growing season when it can be better determined what quantity is needed by the appearance of the vines.

J. W. SMITH.

Ridgefield, Conn.

THE EXHIBITIONS

LANCASTER COUNTY FLOWER SHOW.

Some thirty odd years ago Lancaster, Pa., had a successful flower show, held under the auspices and management of William Pyfer, a young florist. The exhibit he made at that time with the assistance of but a few other florists was remarkable for its day. Since then a few greenhouse shows were held consisting of the grower's own stock only.

The Lancaster County Florists' Club started the flower show pot boiling soon after its organization and it finally bubbled over into the show held on the 6th and 7th of November this year. The committee, consisting of Albert M. Herr, chairman, Harry K. Rohrer, treasurer and Chas. Edgar and Rudolph Nagle as an advisory board presented to the people of Lancaster a show that compared very favorably with those of the large cities, and that in artistic effect was the superior of many of them.

On the first floor was a formal garden with geranium beds edged with echeveria and sod, hardy chrysanthemum beds edged with sod, tan bark paths, evergreen trees, rustic seats, a gazing globe and all the accessories belonging to it. This garden was twenty feet wide and some sixty-five long and in walking through it the greenhouse exhibited by T. J. Nolan for the King Construction Co., was in constant evidence, giving the effect of a private estate. On this same floor were plant exhibits by the various local growers, a fine exhibit of commercial ferns by H. S. Brandt of York, Pa., and trade exhibits by the Pfaltzgraff Pottery Co. of York; H. F. Michell Seed Co., Philadelphia, greenhouse sash and material from The Lord & Burnham Co., of New York and a fine display of ribbons from S. S. Pennock-Meehan Co., of Philadelphia, Pa.

On the second floor as well as the first, everything was arranged for effect, the local florists being perfectly willing to partly sink their own identity to attain an artistic show. The show was set up in such a manner so that when the visitor opened the door the psychological effect on their mind was to at once conclude that the show was magnificent and the conclusion thus formed was kept up by little surprises all through the building, with the result that during the day and one half that the show was open a number of people visited it three, four and five times, paying admission each time; others bought tickets as they went out for their friends, and we feel proud to think that out of a city with a population of about fifty thousand we had one tenth of them at the show, with no complimentary tickets issued to any one.

One thing that helped wonderfully was the fact that there were no awards offered in the florists' classes excepting a \$25 one by Lord & Burnham Co. for the best display made by a florist in the building. This was captured by H. D. Rohrer of this city. The retail men, three of whom made exhibits, all worked in harmony. Mr. Schroyer setting up a magnificent dinner table, Mr. Goldbach a display of filled baskets and Mr. Bass a wedding display,

all well surrounded with necessary accessories, following out the general effect rather than to push their own display in antagonism to the other fellow.

To mention the exhibitors in full, is beyond an article of this length. Almost every member of the club did his honest share. The few who did not are wearing sackcloth and ashes today and will no doubt be the first to get busy when we hold another show.

A number of trade visitors were present and fine displays were made by some of our friends from various parts of this country, among who were the Leo Nissen Co., S. S. Pennock-Meehan Co., McCallum Co., Pittsburgh Cut Flower Co., A. N. Pierson (Inc.), Elmer D. Smith & Co., R. Vincent, Jr. & Sons Co., C. H. Totty, Peter Fisher, Wm. Swayne, Joseph Heacock and several others.

We feel especially proud of the fact that we have made a success of a strictly non-competitive show conducted and set up with one object only and that was to have the attendants feel that they received their full value for the quarter expended. Another point that was strictly adhered to was that the attendance represented cash, no complimentary tickets being given out beyond a half dozen to each of the local papers and about another half-dozen to men who helped with the show without pay, and we not only had the crowd but we had the people we wanted—the flower-buying public.

ALBERT M. HERR.

CHRYSANTHEMUM SHOW AT UNIVERSITY OF ILLINOIS.

In spite of a cold rain and a driving wind, 2500 people ventured out to the South Campus Sunday afternoon to see the Chrysanthemum Show, which was held in the floricultural greenhouses. At times the crowd was so great that it was a difficult task to relieve the congestion at the entrance to the different houses. A gorgeous display of single, pompons, and numerous other chrysanthemums, occupied one house 30 by 100 feet. The commercial exhibition and specimen plants were staged in an adjoining house and these with the different varieties of orchid-flowering sweet peas also received their share of admiration and attention.

The palm, fern, rose and carnation houses were also open to the public and never before have the greenhouses been in as good condition as this year. The rose section is making a wonderful showing. The Hoosier Beauty roses, which were presented to the University by the F. Dörner & Sons Co., have made an excellent growth and have out-topped any other rose on exhibition, and it received more comment and praise than any other. The palm house with its large variety of tropical plants seemed as a place of recreation to the most of the visitors. In this house such plants as Pawpaws, Bananas, Ficus, Dracenas, Anthuriums, and Saintpaulias, stood out most conspicuously.

The chrysanthemum show is an annual affair at the University, but this year the show has proven a greater success than ever before.

MINNESOTA STATE FLORISTS' ASSOCIATION.

The fall meeting of the Minnesota State Florists' Association was held at the West Hotel, Minneapolis, November 12th. A business meeting was held in the afternoon followed by a banquet, with speeches in the evening. The main feature of this meeting was the large exhibit of chrysanthemums and other cut flowers and plants, which compared very favorably with many of the flower shows held throughout the country.

At the meeting presided over by President Olson a committee was appointed to confer with the State Fair officials relative to making up a premium list for another year. This meeting was well attended and was full of interest from start to finish.

The Minnesota State Horticulture Society will meet December 1st, 2nd, 3rd and 4th at the State Farm School, St. Anthony Park. The program for Tuesday evening has been turned over to the State Florists' Association, and papers will be read by A. S. Swanson, E. Meyer and Prof. Moore of the State School. All florists are urged to attend this meeting. During the week premiums will be awarded for the best exhibits of palms, ferns, blooming plants, roses, chrysanthemums and carnations.

List of awards:

Carnations—Jewell Nursery Co., Lake City, Minnesota, certificate of merit on White Enchantress; honorable mention for Comfort, Enchantress, Rose Pink Enchantress, Rosette, C. W. Ward and Victory. Will Brothers Co., Minneapolis, certificate of merit on Benora, Rosette and White Wonder; honorable mention for Eureka, C. W. Ward and Delbi. Minneapolis Floral Co., certificate of merit on Philadelphia, Cincinnati and Champion; honorable mention for Herald and White Enchantress. L. S. Donaldson Co., certificate of merit for Windsor and White Wonder; honorable mention for Rosette and Philadelphia.

Roses—Miss H. B. Whitted, certificate of merit on American Beauty and Bulgarian; honorable mention for Mrs. Russell. L. S. Donaldson Co., diploma for Mrs. Russell; certificate of merit on Mrs. Ward and Ophelia.

Chrysanthemums—La Crosse Floral Company, honorable mention on collection of 15 varieties. Miss H. B. Whitted, honorable mention for general collection. Poehlmann Bros. Co., diploma on Chadwick and Golden Chadwick; honorable mention for Pauline. John E. Sten, certificate of merit for Golden West; honorable mention for December Gem, Adonis and Helen Frick. Merriam Park Floral Co., certificate of merit for collection of Pompon and Jessie Miller; honorable mention for a sport of Shrimpton. Will Brothers Co., certificate of merit for White Eaton, Yellow Eaton, Maude Dean and Wallace G. Nye; honorable mention for Roman Gold and Shrimpton. Minneapolis Floral Co., diploma on Yellow Mercer, White Mercer and Buckingham, each scoring 95 points; certificate of merit for Yellow Eaton and Golden Wedding; honorable mention for F. Miller, Linwood Hall and William Turner. Hans Rosacker, certificate of merit for Black Hawk. J. A. Weber, diploma for Dolly Dimple and Harry Converse, both scoring 95 per cent.; certificate of merit on Wells Late Pink and Quittenton. L. S. Donaldson Co., certificate of merit on Dolly Dimple and William Turner. Jewell Nursery Co., diploma on William Turner, scoring 98 points.

Plants—L. S. Donaldson Co., certificate of merit on Begonia Glory of Cincinnati. Minneapolis Floral Co., honorable mention on Begonia Glory of Cincinnati. Minneapolis Floral Co., diploma on collection of stove and greenhouse plants.

Easter Lilies—L. S. Donaldson Co., diplo-

ma on vase scoring 95 points. I. S. Donaldson Co. certificate of merit on basket.

A fine group of Christmas cherries and pepper plants exhibited by Holm & Olson was overlooked by the judges, as well as potted ever blooming strawberries in full fruit exhibited by J. A. Weber.

The Banquet.

About one hundred guests sat at the banquet table, including members of the trade and their ladies. At the conclusion Mr. Olson presiding as toastmaster called on Aug. S. Swanson and L. L. May to respond for the Old Timers, as this meeting was a silver anniversary. Both related instances connected with the flower business 25 years ago. Mr. Swanson alluding to the fact that the same secretary was now serving who was secretary 25 years ago. Mr. May in his remarks spoke of the great change of feeling that had come about between the florists; where formerly they did not speak or deal with each other, now they were fast friends and accommodated each other whenever it was possible to do so. H. A. Quallich of A. L. Randall Co., Chicago, Ill., was then introduced as the speaker of the evening and gave a very able talk on retail store management, supplementing it by telling what he knew of the new roses now on the market. This paper was followed by a discussion which brought out a number of very important points in connection with store management, emphasizing the following essentials: how, what and where to buy; following collections closely; keeping up the general appearance of the store; having it light and neat at all times and the windows well dressed. The speaker thought these points were just as essential as the location. He also mentioned that good clerks were one of the greatest assets a store could have. In touching on methods of increasing the business he spoke of newspaper publicity as being of little or no use, unless followed up continuously.

During the meal and throughout the program which followed a colored quintette furnished music, both instrumental and vocal. Theo. Nagel also rendered vocal solos accompanied by his wife on the piano. The entertainment throughout was very pleasing and enjoyable to the fullest extent.

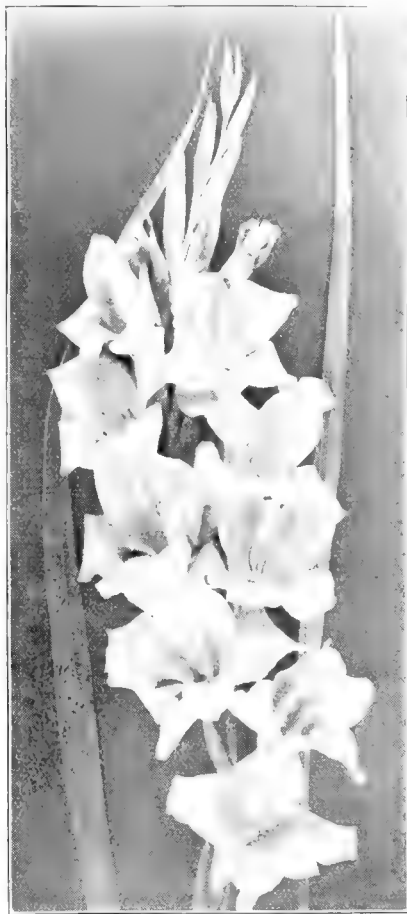
AMERICAN INSTITUTE OF NEW YORK.

The American Institute Show, (83rd Fair) at the Engineering Building, West 39th street New York City, Nov. 4, 5 and 6, was the largest Chrysanthemum Exhibition the Institute has had since the show in the Herald Building some years ago. The blooms were grand and the competition keen, especially in the chrysanthemum classes for private gardeners. C. H. Totty exhibited a new chrysanthemum Mrs. Charles S. Whitman also his new rose Mrs. Thompson. Lager & Hurrell had a fine display of orchids. Mrs. John Crosby Brown had an exhibit of ten bush and standard plants, very fine.

There were one hundred and eleven classes in the schedule. We regret that our space compels so much abbreviation and condensation, but we can only give briefly the results in the more important of the plant and flower classes.

In the section for cut flowers for commercial growers, Chas. H. Totty and

BURPEE'S FORDHOOK HYBRID GLADIOLI.



This new race of hybrid gladioli is the result of crossing the Praecox type with the finest named varieties of Nancieanus, Gandavensis, Childsi, Groff's, Lemoine, etc. In addition to the exquisite colors found in this new type is their wonderful precocity, flowering freely from seed the first year if planted in light rich soil. The flowers that Burpee has been exhibiting this fall in Philadelphia and elsewhere were all cut from plants, seed of which was



sown in the open during last May. Their full beauty and immense size (many rivalling the giant Princeps) are, however, more fully realized the second year.

The colors of the new Fordhook Hybrid Gladioli include many delightful "pastel" and art shades in combinations of salmon, salmon-pink, lavender, light-blue, yellow, white to richest crimson, etc., the pencillings and throat markings being exquisitely lovely.

Thomas W. Head were the winners. In the section for private growers, James MacDonald, gard. to J. H. Ottley, W. H. Waite, supt. of Greystone, W. H. Duckham, Frank Honeyman, gard. to Percy Chubb, and L. G. Forbes got the money. In the "open to all classes" for chrysanthemum blooms we find in the list of 1st prize winners the following names:

James Bell, gard. to C. K. G. Billings; Ernest Robinson, gard. to Mrs. M. F. Plant; Frank Honeyman; J. W. Everitt; A. Williams; Ernest Robinson; Joseph Tansey, supt. for H. M. Tiltford; Wm. Verr, gard. to Howard Gould; Frank Black, gard. to C. E. Chapman; Jos. G. P. Kennedy; James MacDonald; Chas. H. Totty; Thomas Wilson, gard. to Mrs. J. Murray Mitchell; and Henry Gaut, gard. to H. L. Pratt, most of them in several classes. Among those not above mentioned who came in on the 2nd prizes were: Walter Angus, gard. to R. H. Scoville; Percy E. Hicks, gard. to B. H. & H. S. Borden; W. R. Fowkes, gard. to Howard Cole; J. G. P. Kennedy, gard. to Mrs. J. S. Lyle; A. Wynne, gard. to W. W. Heroy; and A. Bauer, gard. to Henry Goldman. In the hardy classes the winners were: R. Vincent, Jr. & Sons Co., and Chas. L. Stanley. In the chrysanthemum plant classes, Peter Duff, gard. to Mrs. J. Crosby Brown, won

five 1sts; W. H. Waite, J. W. Everitt and James Bell, one each. Rudolph Heidkamp, supt. H. W. Boettger estate, won one 2nd in this class and 1st on specimen fern. For orchids, Lager & Hurrell were 1st and Julius Roehrs Co., 2nd. In the rose classes L. A. Noe and C. H. Totty cleaned up the commercial section. In the private rose classes A. A. MacDonald, gard. to J. B. Duke, and Jos. Tansey, won all the 1sts. In carnations the winners were Chas. H. Totty, Chas. L. Stanley, Jos. Tansey, A. Wynne and W. R. Fowkes. Wm. B. Thompson on Lorraines and Rex begonias, and Max Schneider and Wm. Vest on violets, completes the regular prize list. There were, in addition, 67 specials or gratuities awarded in plant and flower classes.

The judges were Eugene Dailledouze, Peter Duff, George Middleton, J. G. McNichol, Edward Reagan and A. Herrington.

The Elliott Auction Company, 42 Vesey street, New York City, are planning for a big sale next week of roses, and a large variety of other imported hardy material. The roses have opened up fine and ought to "sell like hot cakes." Note the advertisement in this issue.

CLUBS AND SOCIETIES

NATIONAL ASSOCIATION OF GARDENERS'

The annual convention of the National Association of Gardeners will take place in Philadelphia on December 9th and 10th.

Thomas Logan, William Kleinheinz and John H. Dodds are the committee on arrangements and report the preliminary program as follows:—

Wednesday, 9th inst.:—The general meeting of the association will be opened promptly at two o'clock at Horticultural Hall. Following the business session several speakers prominent in horticulture will address the members on subjects interesting to the gardeners.

Wednesday evening:—The banquet will be held at one of the local hotels to which ladies are to be invited.

Thursday morning, the 10th inst.:—The bowling tournament will take place, open to all members of the association who register at the business session. There will be no team bowling, but prizes will be offered for individual scores. During the bowling tournament a shuffle board contest for the ladies will be provided, for which prizes will also be offered.

Thursday afternoon will be devoted to visiting some of the prominent growing establishments in the vicinity of Philadelphia.

The Hotel Walton, directly opposite Horticultural Hall, has been selected as the headquarters of the association during the convention. Accommodations can be secured there at moderate rates. M. C. EBEL, Sec'y.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The monthly meeting of this society was held in Greenwich, Conn., Nov. 15th. The report on the fall show was read indicating that the recent exhibition at New Rochelle, N. Y., was a financial success as well as an exhibition of superior quality. Mayor-elect John M. Brown of Stamford, Conn., on behalf of the society presented the prizes to the successful competitors and assured the Society of his continued personal support as well as in his official capacity. It was unanimously voted to co-operate with the national organization in all matters affecting the gardener and the advancement of horticulture in America. During recess J. E. Melcher of Riverside, Conn., entertained the members with some very clever sleight-of-hand tricks. Oscar E. Addor of Larchmont, N. Y., read a clever and original piece of writing entitled the Battle of Rye, that was replete with satirical allusions to the struggle for supremacy at the annual outing and games between the members from Fairfield Co., Conn., and Westchester Co., N. Y. Nominations for officers were made. The list of names submitted assures the Society of a continuation of the phenomenal successes of the past.

The awards of the judges are as follows:—

Cultural certificate to Jas. Foster for W. Mease chrysanthemums, and Jas. Stuart for hybrid nerines and *Pancratium speciosum* gr. fl.; A. Wynne highly commended

for red seedling carnation, and P. W. Popp for seedling chrysanthemum; vote of thanks to Robt. Grunert for carnations and Thos. Ryan for single chrysanthemums; Geo. E. Baldwin Co. certificate of merit for *Cattleya maxima*.

A vase of single chrysanthemums was staged purposely to start a discussion as to what constitutes a "terminal spray." There is so much diversity of opinion in this matter that it would be well to have an eminent authority pass on it, the result to be published in the horticultural press. The next meeting will be Dec. 11th.

P. W. POPP, Cor. Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

An unusually large number were present at the meeting of this Club Tuesday evening, November 17. The main business of the evening was the nomination of officers for the coming year. The following candidates were nominated:—For President, Herman Bartsch; Vice-President, Jas. Methven; Treasurer, Peter Fisher; Secretary, Wm. N. Craig; Executive Committee, W. J. Kennedy, Geo. Anderson, F. J. Rea, A. K. Rogers, P. M. Miller, Wm. J. Patterson, W. J. Collins, Peter Barker, Geo. Wyness.

Prof. Arno H. Nehrling of the Mass. Agricultural College was the scheduled speaker of the evening, but was unavoidably detained. In his place W. N. Craig delivered an interesting address on "The Gardener and His Profession," which was very favorably received.

The show table displayed a fine collection of plants and cut flowers. Among them were two begonia plants, Florence Davenport and Melior, exhibited by Wm. W. Edgar Co. Six splendid chrysanthemums from the E. A. Clark estate were shown by Alex. McKay. A. A. Pembroke of N. Beverly, Littlefield & Wyman of N. Abington, and A. Roper of Tewksbury exhibited several new varieties of carnations, some still unnamed. A vase of *Bouvardia Humboldtii* corymbiflora came from Faulkner Farm, Brookline.

A lively discussion on the defects of this year's chrysanthemum show was held towards the latter part of the evening, in which the management was severely criticised. The meeting closed at an unusually late hour, testifying to the enjoyment and interest of the evening.

UNIVERSITY OF ILLINOIS FLORICULTURAL CLUB.

On Friday evening, November 13, the Floricultural Club gave a reception to the members of the Faculty of the University of Illinois at the floricultural greenhouses, and about 400 members turned out. Besides this number, there were some noted out-of-town florists including Mr. and Mrs. Smith, of Danville, Ill.; Miss Emily Dorner, of Lafayette, Ind.; Mr. and Mrs. and Miss Rudd, of Morgan Park. The greenhouses were open in connection with the reception and it gave those present an opportunity to see the display of chrysanthemums and other flowers under artificial light.

A. G. H.

CONNECTICUT HORTICULTURAL SOCIETY.

The first November meeting was held in the County Building, Hartford, on Friday evening the 13th. There was an unusually fine display of chrysanthemums. In the collection exhibited by President Huss was a vase of sensational blooms of William Turner, also fine specimen plants. The Park Department had an exhibit of large chrysanthemums. Warren S. Mason, of Farmington, exhibited some fine seedling geraniums (Lemoine's Hybrids) and a splendid collection of pompon and single chrysanthemums. Alex. Cumming, Jr., showed the new rose Ophelia. George W. Fraser, of the Conn. Agricultural College, Storrs, had on exhibition a handsome pink rose, Mrs. A. G. Gulley. C. H. Sierman, H. A. Pinney and George W. Fraser served as judges. They made the following awards:

A. N. Pierson, Inc., certificate of merit for pompon chrysanthemums, a first-class certificate for singles, and a first-class certificate for rose Ophelia; Warren S. Mason, of Farmington, cultural certificate for collection of pompons and a certificate of merit for singles; Alfred Cebelius, cultural certificate for singles and a first-class certificate for large chrysanthemums; President Huss, a certificate of merit for his large blooms and for each plant; George W. Fraser, a certificate of merit for rose Mrs. A. G. Gulley, and a cultural certificate for his seedlings.

A collection of \$16.09 was taken up for the Belgian Relief Fund. G. H. Hollister read an article on "Propagation of Ornamental Trees and Shrubs." A local co-operative committee of the National Association of Gardeners was appointed at this meeting, viz: H. A. Pinney, W. W. Hunt and C. H. Sierman. P. A. Sears, one of the charter members of the Society, was present, and made a few reminiscent remarks. There was a fine turn out and the Society is in a splendid condition in every particular.

ALFRED DIXON, Sec'y.
Wethersfield, Conn.

AN APPRECIATIVE REPLY.

The following communication has just been received by the committee appointed at the meeting of the National Association of Gardeners held in Boston in August last, to draft suitable resolutions conveying the sympathies of the organization to the European horticulturists.

ROYAL HORTICULTURAL SOCIETY,
Westminster, London, England.

November 3, 1914.

Dear Sirs: The council of our society are very grateful to you and to the National Association of Gardeners for the kind and brotherly sympathies which you extend to us and the other gardeners of Great Britain and elsewhere in the present time of intense strain and distress.

May we hope that when the time comes for the reinstatement of the Belgium horticulturists we may receive your active co-operation and financial support. Our society will start a fund of help when the right time comes; but that time, we grieve to say, is not yet.

With brotherly greetings to our fellow gardeners in the States, I am,
Yours very truly,

W. WILKS, Sec'y, R. H. S.
By order of the President and Council of the R. H. S.

MEETING OF THE NATIONAL FLOWER SHOW COMMITTEE.

The National Flower Show Committee held a meeting in Philadelphia, occupying two days, Nov. 11 and 12. There were present: Chairman Geo. Asmus, Adolph Farenwald, W. P. Craig, Thomas Roland, Secretary John Young, Treasurer W. F. Kasting and President-elect Patrick Welch.

The first session was called to order at the Hotel Walton at 10 A. M. on Wednesday. The minutes of the previous meeting held in Cleveland, O., were read and approved. Mr. Farenwald made a report in detail covering the efforts which had been made to secure a suitable building in which to hold the show and the terms under which Convention Hall, operated by the municipality, could be engaged. Action on the report was deferred until a later session.

Considerable discussion took place regarding the premium list, the total value of which it was arranged should be \$15,000. Liberal apportionments to the different societies were made, the same to be contingent upon the usual conditions as to active co-operation. The premium committee was given authority to prepare a preliminary schedule on the basis thus determined, all special prizes being considered as part of the total valuation.

In the afternoon the committee made an inspection of the principal public buildings available for show purposes, including Convention Hall at Broad street and Allegheny avenue. Later, the committee had a second session at the Hotel Walton. Adolph Farenwald was appointed vice-chairman of the committee. A special committee on finance and appropriations was appointed, composed of the chairman, vice-chairman and the treasurer, its duties to include the passing upon all appropriations. A resolution was passed authorizing the secretary to raise a guarantee list to amount to \$10,000. The secretary was authorized to sell space for trade exhibits at the show, upon the usual basis of compensation for his services. The matter of the official program was left in the hands of the local executive committee. Adjournment was taken until Thursday afternoon at 2.30, when an open meeting was arranged for in the rooms of the Florists' Club of Philadelphia.

The meeting on Thursday was attended by the committee, and there were also present many members in the trade from Philadelphia and vicinity. The meeting was called to order by the vice-president of the Club, who stated the nature of the business before the meeting, and introduced Chairman George Asmus of the National Flower Show Committee, who presided over the meeting. Mr. Asmus made a stirring address, in the course of which he appealed to those present and others in the trade to give their loyal support to the National Flower Show to be held in the Spring of 1916. He reviewed the work of the promoters of the shows held in Chicago, Boston and New York, and the results accruing from the same, and emphasized the importance and value of such shows.

Patrick Welch spoke at some length regarding the Boston show and the benefits of a Sunday opening, in order that the working classes might have

an opportunity to take advantage of the educational features of the show. Leo Niessen spoke in favor of the leasing of Convention Hall, his view being that if the show were properly advertised the location of the hall would be no detriment. For this reason he gave it as his opinion that the appointment of a committee on publicity and advertising would be an important matter. Mr. Farenwald detailed the work already done in regard to the selection of a suitable building. If Convention Hall were selected, he said, some provision would have to be made for heating the building.

S. S. Pennock expressed himself as confident of the success of the enterprise. Charles H. Fox spoke of the value of publicity for the show not only during the few weeks preceding the show, but for many months in advance. He also suggested the advisability of the selection of jurors well in advance. Wm. Kleinheinz said he had given much thought to the matter and had every confidence in its success. He did not consider Convention Hall too far from the center of the city. He promised to support the show in every way he could, and said he would exhibit on a large scale, and that every private gardener around Philadelphia would do likewise.

Robert Craig spoke in favor of leasing Convention Hall, and was of the opinion that no better building for the purpose could be found in the country. The forthcoming show, he said, would electrify the horticultural world by its magnificence, and would be a pronounced success. John A. Dobbs expressed his confidence in the success of the affair and said that he would make a large exhibit and lend his assistance in any direction required.

John C. Gracey, also predicted a success, and that the members would work harmoniously together to that end. J. Otto Thilow expressed himself as being optimistic in regard to the outcome. He spoke of the value of publicity and intimated that his company was already preparing for it, and that he would seek to induce many others to become interested. Treasurer W. F. Kasting made a few remarks, in which he expressed his pleasure at the enthusiasm noticeable among those present at the meeting, which augured well for success.

Thomas Roland spoke of his satisfaction as regards the Convention Hall and suggested the possibility of some firm of horticultural builders undertaking to furnish a temporary heating plant. Thomas Logan spoke for the private growers and promised their support, also his own time and assistance. W. K. Harris, Jr., acknowledged the benefit he had received from previous shows, in the knowledge he had acquired, and said that if the members of the different branches of the trade in Philadelphia would eliminate all personal feelings, and work in unison the exhibition could not fail to be successful. David Rust, secretary of the Horticultural Society of Pennsylvania, expressed his satisfaction with the proposed location and predicted a successful outcome. His society, he said, was ready to assist, and was awaiting definite information as to arrangements before launching into the work of preparation. W. P. Craig also endorsed the choice of the committee and expressed his belief that the show

would be a huge success. Fred Michell, Harry Betz, George Burton, Charles E. Meehan and Robert Kift, also spoke, each expressing a belief in the ultimate success of the affair.

Chairman Asmus thanked all present for the interest they had shown in the undertaking. The National Flower Show Committee, he said, would at once appoint the chairmen of the various committees to handle the work of preparation and the chairmen of these committees would compose the local executive committee, with the vice-chairman of the National Flower Show Committee as its chairman. He announced that \$15,000 had been set apart for the premium list, a greater sum than ever before offered at such an exhibition.

In the evening the National Flower Show Committee had another session at the Hotel Walton, at which the names of a number of gentlemen were considered as appointees to the chairs of the proposed committees. A resolution was passed directing the secretary to notify these gentlemen as to the appointments and the powers conferred upon them. Acceptances of these offices are to be obtained before the list is available for publication. It was also resolved that Robert Craig, Louis Burk and John Wescott be added to the local executive committee as members-at-large with the privilege of voting. The Committee on Lease and Contracts was authorized to obtain a lease of Convention Hall on the best terms possible. It was decided that the chairman of the local reception committee should also be a member of the local executive committee. It was also decided that the exact dates of the show would be announced later.

Adjournment was then taken to the call of the chair.

JOHN YOUNG, Secretary.

ST. LOUIS FLORIST CLUB.

The Florist Club on Thursday, November 12, held a very interesting meeting in Odd Fellows' Hall with a good attendance. The holding of a spring flower show was brought up, and it was voted to appoint a committee of five to lay plans for such a show and report at the next meeting for final action. The committee consists of W. C. Smith, chairman, W. G. Wells, A. H. Hummert, Geo. W. Pring and Albert Gumz.

The trustees were instructed to prepare plans for some sort of entertainment for members and their families in the near future. Secretary Beneke says the membership is climbing and with little efforts on the members the 150 mark will be reached before the end of the term, August, 1915.

CLUB AND SOCIETY NOTES.

"Maryland Week," combining the meetings of the Maryland State Horticultural Society and allied organizations is held at the Fifth Regiment Armory, Baltimore, this week, closing on Saturday night, November 21.

Mrs. W. Scott Fitz, of 75 Beacon street, Boston, was elected president of the North Shore Horticultural Society at its recent annual meeting which was held in Manchester. Mrs. Fitz has long taken an active interest in the society and has served on the

advisory committee since it came into existence.

Syracuse, N. Y., had a good show of chrysanthemums, decorative plants, etc., on Nov. 5 to 8, which had the support and cooperation of the trade in general. Among the exhibitors were the Baker Floral Co., Elmer D. Smith & Co., C. H. Totty, A. N. Pierson, George B. Hart of Rochester, Pennock-Meehan Co., Philadelphia; W. H. Workman, H. Youell, Mrs. L. C. Smith, Peter Fisher, Ellis, Mass.; W. Bultmann, Peter Kay, G. Bartholme, J. Mullhauser & Son, Bannister & Co., Chester Harris, C. Bourne, G. M. Phillips, Pierce-Christian Co., P. R. Quinlan and H. D. Mann & Co.

The chrysanthemum and fruit show of the New London, Conn., Horticultural Society was held in the Court House on the 4th and 5th inst. There was a fine show of fruit, plants and cut flowers, including the new carnation Alice from Peter Fisher, Ellis, Mass., and a good display of single and pompon chrysanthemums from A. N. Pierson, Inc. The leading large blooms included: William Turner, Wells' late pink, William Vert, Mendon, James Fraser, Mrs. Gilbert Drabble, Onunda, Mrs. Clara Banghart, Mrs. Stevens, Mrs. A. M. Henshaw and others too numerous to mention. Everything went to making the show a great success in all ways.

The second annual flower show given by the Holyoke and Northampton Florists' and Gardeners' Club at Northampton, Mass., was larger and better in every way than the one held a year ago. The Massachusetts Agricultural College exhibited fine chrysanthemums and roses, taking many first and second prizes.

Butler & Ulman, exhibited prize winning roses and chrysanthemums. They got first in table decorations. E. J. Canning showed an excellent display of low-growing, pyramidal conifers in pots, especially adapted for landscape effects. Other exhibitors were Parks; G. H. Sinclair, Holyoke; F. D. Keyes & Son, Florence; and Smith College. W. H. HATFIELD.

DURING RECESS.

Andover Florists' and Gardeners' Club.

This organization held its first annual supper in Workman Hall, Andover, Mass., on Thursday evening, November 12. It was a very enjoyable occasion for the members and guests.

N. Y. Florists' Bowling Club. Thursday, Nov. 12, 1914.

	1st Game	2nd Game
J. Fenrich	163	170
C. W. Scott	141	154
W. H. Siebrecht	157	164
P. Jacobson	162	162
E. Niquet	159	164
J. Miesem	200	190
A. Kakuda	114	158
A. J. Guttman	145	168
P. Moconi	206	162

Lynn, Mass.—Lynn flower vendors must secure \$2 permits and those who come to that town from other places must have \$25 permits according to a decision of the Board of Control, Thomas F. Burckes, George A. Flanagan and Charles P. Murray. A petition calling on the board to act was signed by all the Lynn florists and was supported by the Chamber of Commerce.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Address by President Wm. Kleinheinz.

Fellow Members:

Another year has passed and again we meet as a society to pay due respect to the glorious "Chrysanthemum." This convention here, in Indianapolis, is especially remarkable as a banner meeting, as it is held in conjunction with the silver anniversary of the State Florists' Association of Indiana. And as we have chrysanthemum specialists with us like Messrs. Elmer D. Smith, E. G. Hill, Chas. H. Totty and others, the gathering must be a success, and I am proud to have the honor to bid you all welcome in the name of the society.

In the past fifteen years the improvements in chrysanthemums have been wonderful, surpassing all expectations. Great credit is due to the raisers and introducers of new varieties, of which a good many are certainly revelations to the growers. It is not necessary to mention any special varieties, as our shows prove this to the greatest extent, and I am sure that the future will bring out still better varieties, because we have a lot of never-resting hybridizers amongst us, and they will not rest until the highest point of honor is reached. The pompon and single varieties have also moved up to the front and beautiful colors and combinations have been brought out in these effective and decorative kinds.

The specimen plants raised for exhibition purposes in the last few years are also eye-openers for the public. I have seen plants exhibited in New York City, over fourteen feet in diameter and carrying over fourteen hundred flowers per plant, and were the chief attraction of the show. But don't forget what skill, time, and labor it requires to grow a plant to such perfection and we must feel proud that those plants are grown by gardeners who are members of the Chrysanthemum Society of America.

Considering the large number of chrysanthemum growers in this country it is to be deplored that so few are members of our society. The Chrysanthemum Society of America is beneficial to all chrysanthemum growers as we rout out the poorer varieties by having committees appointed all through the United States, by which the new varieties are examined and, when found to be up to the standard, a certificate is awarded. This prevents minor sorts from being represented as up-to-date, and thereby the buyers of new sorts do not run the risk of getting inferior sorts. The Chrysanthemum Society also holds a yearly exhibition, giving an elegant opportunity for competition. At these exhibitions, nothing but the best quality of flowers are shown and, by doing this, it shows the grower what can be done and what a flower of the highest standard looks like. The Society also sends to its members a copy of the proceedings of the yearly meetings, and this alone should be inducement enough to every chrysanthemum grower to join us. This has been the cry for years. "How can we increase our membership?" I appeal to every one who is interested in these beautiful flowers to send his application to our secretary and become a member of this Society. I am sure after one year's membership they will say "I am glad

that I joined this able body and must get my friends to do the same."

In regard to the scale of points I would say that I do not think it possible to improve on it. One suggestion I would like to make. A few varieties of our most wonderful exhibition flowers are lacking in stiffness of stem and need artificial supports, when staged on long stems. This I think is a weak point of these varieties and should be considered. I feel that any exhibit artificially supported should lose at least two points. This will not harm these sorts and still will give justice to varieties with self-supporting stems, but lacking in size.

In regard to culture and other points, I do not intend to pass any remarks, as every climate and soil require different treatments, but must say that not everything is gold that glitters. After all the skill, all the labor and all the expenses, the grower in general is proud every season to see his flowers develop, but the growers (especially in the East) have nearly every year more or less to suffer under a great loss. Warm weather sets in just at the time the flowers should have a cool atmosphere. This warm weather is generally accompanied by rolling fogs with a very high humidity, and the best flowers rot away within a few days, and so far nothing is known that can prevent this. Any suggestion or remedy would be thankfully accepted by this body.

I hope that you will all enjoy this convention and derive great benefits from it, also that the Chrysanthemum Society of America will have a larger membership next year.

THE GARDENER AND HIS PROFESSION.

We should like to give in full the excellent paper read by W. N. Craig before the Gardeners' and Florists' Club of Boston, on the above mentioned subject, but in our present overcrowded condition we have room only for the following brief abstract.

As tillers of the brown soil, we have at once the most lovable, fascinating and enthusing of professions. We work in the most wonderful laboratory in the world.

The gardener should be, not only one who is a florist, but very much more; he should have a good general knowledge of horticulture in its broadest sense and should be capable of handling all details of estate management. To be a good practical gardener in itself requires a great deal of care and forethought. One of the best friends a gardener can have is a carefully kept diary of operations; weather, time crops mature, etc.

The majority of us have not had the advantage of college, or even high-school training; and it says much for the grit, perseverance, and skill of many who, despite these educational drawbacks, have risen to good positions and are in many cases leaders in their profession.

The young man who can have both a horticultural and agricultural training in such colleges as Mass. Agri. College or Cornell, will gather a good theoretical knowledge of the fundamentals of our profession. The drawbacks in our agricultural colleges today are, that really practical men are lacking. Men who are first-class growers should have charge of their greenhouses and grounds, men who will turn out young men who can with greater



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confidence apply for positions where practical worth is needed. The gardener of to-day must be gentlemanly in demeanor, both to his employers and those who are his assistants. Our profession is retarded by incompetent and undesirable material; men who have no right to the name of gardener. More men should equip themselves to handle the great outdoors; trees and shrubs, hardy herbaceous plants, bulbs, tennis courts, tree surgery, spraying, garden crops, live stock, birds.

Our noble profession should be better recognized than it is today; its craftsmen more looked up to and esteemed; a better feeling existing between employer and employee. Let us labor unitedly to seek each other's welfare. Let our lives be as harmoniously beautiful and bountiful as are the works of Nature's God.

PERSONAL.

Donald McRae, formerly with Mr. H. R. Johnstone, at Brackenside, Hamilton is now superintendent at the Geo. V. L. Meyer estate, Hamilton, Mass.

We are pleased to report that Chas. H. Totty's condition is favorable for recovery and his family and friends are relieved of the anxiety which prevailed last week.

Attleboro, Mass.—Three persons were injured, one seriously, when a horse attached to a light delivery wagon owned by A. A. King, an Attleboro florist, dashed up a narrow alley crowded with shop folks last Monday. The horse was frightened by the noon shrieking of factory whistles in the neighborhood.

BRITISH HORTICULTURE.

New Chrysanthemums.

The Floral Committee of the National Chrysanthemum Society have recently granted first-class certificates to the following new varieties: James Stredwick, Jap., deep rose, with amber reverse; Elfrida, large bronze; Dorothy, golden yellow market variety. Lord Roberts was accorded an award for color, but the committee desired to see the blooms again. It is bright chestnut with golden reverse.

Dahlia Conference.

The annual conference arranged by the National Dahlia Society was held in London on Oct. 15th. Mr. Reg. Cory presided. Mr. Stredwick, of Stredwick & Son, raisers of dahlia novelties, read an interesting paper, giving the history of this flower from the earliest date, chiefly compiled from the writings of the late Richard Dean. C. Harman Payne, who spoke in the subsequent discussion, took exception to some of the statements, and supplemented the paper with many instructive facts. There was an excellent paper from J. Cheal, dealing chiefly with the dahlia as a decorative plant. Chas. Curtis, acting for the secretary, read a paper on "The Dahlia in America," contributed by J. Harrison Dick.

High Prices for Fruit.

Amongst the methods now being adopted for raising funds for benevolent purposes in connection with the war the fruit trade has devised a successful means of raising revenue. At Liverpool a quantity of Californian apples realized the respectable total of £120 (pounds) and a case of Jersey

pears £82. At Newcastle-on-Tyne a single pair sold for £17 10s. Six cases of Doyenne du Comice pears made £182 7s., and some other lots of fruit £203. At Belfast high prices were realized for Jersey pears and tomatoes. A mammoth cabbage sold for £3 5s., and a barrel of Nova Scotian apples fetched £2.

W. H. ADSETT.

A VERSATILE GARDENER.

Commenting on our notes of last week in reference to Begonia Mrs. Heal, a number of plant growers have told us that the reason they had not taken up this glorious blooming plant commercially was the difficulty in growing it satisfactorily. We took occasion to visit Mr. Downs, who grew the plant we illustrated, a few days ago, and found a display of Mrs. Heal well worth going to see. Wm. Downs is a clever and successful grower, but he makes no extraordinary claim in this regard and, with all due respect to Mr. Downs' abilities, we must say that we believe the plant can be grown commercially by scores of our well-known plant growers. While on the subject we must, however, say a word in recognition of the versatile accomplishments so well exemplified in William Downs. Plant houses, rose, carnation, chrysanthemum, orchid and palm houses, bulb cellars, poultry, sheep, grade cattle, out-door gardens, fruit orchards, etc., all come under Mr. Downs' care and the extensive ranges of conservatories and frames are convincing evidence of the master hand. It is a pleasure and a treat to have the privilege to inspect such an establishment.

THE BEST EVER

That's what everybody exclaims on seeing the splendid stock now ready for shipment in our plant houses

Cyclamen Are Superb. Lorraine and Cincinnati Begonias Can't Be Beaten Anywhere. Ardisias Have Never Been So Fine; Loaded With Berries Already Well Colored Up.

Order Your Holiday Stock Now and Have It Shipped Before Freezing Weather Sets In.
Prices per doz., per 100, per 1000, on application.

JULIUS ROEHRS CO., Rutherford, N. J.

Obituary

E. E. Peiser.

Emanuel E. Peiser, Chicago, pioneer in the wholesale commission business and familiarly known as the "peony king," passed away suddenly at his home, 1004 E. 42nd Place, Saturday evening, Nov. 14th. His physical condition has been known for some time



E. E. PEISER

and Mr. Peiser would speak of his coming death as calmly as of some business transaction and attributed the cause to the use of cigarettes. Though he has suffered intensely at times the end came as he was chatting at the close of a day spent at the store and he had just remarked that he was feeling fine. Born in Chicago, on Jan. 1st Mr. Peiser would have been 52 years of age, 37 of which have been spent in the florists' business. For many years he was associated with Kennicott Bros. and his brother Gabriel who passed away three years ago to a day, was president of the company, while Emanuel was manager, later taking his brother's place as president. Mr. Peiser was noted for his daring in business transactions and has won or lost many times in peony and other speculations. The

business will be continued by Mrs. Peiser. Besides his widow Mr. Peiser leaves a mother, a brother Isaac, and two sisters, Mrs. J. Mitchell and Mrs. Ray Metz. The funeral was from Furth's Chapel and interment at Rose Hill.

J. Lowe Parker.

J. Lowe Parker, aged 88, a retired farmer, died on Nov. 17, at his home in Dorchester, Mass. He is survived by one son, George L. Parker, the proprietor of several rose houses in Dorchester. Mr. Parker was born in Boston and moved to Dorchester when it was nothing but meadowland. He was successful in farming and retired from active business when Dorchester began to develop into a residential community.

Cyrus A. Balkan.

While hurrying to work because he was a few minutes late, Cyrus A. Balkan, 68, of 26 Minot street, Neponset, Mass., fell dead from heart trouble on Wednesday, Nov. 11, in the yard of the Stearns Lumber Company, Neponset. A physician who was summoned pronounced him dead. He had been employed by the Stearns Company 30 years.

CHICAGO NOTES.

The funeral of E. E. Peiser was attended by many in the trade and many floral offerings were sent by both wholesalers and retailers.

The Marshall Field flower department was discontinued just as we went to press last week. It was not large enough to handle the trade and people did not take kindly to the cramped quarters and the inexperienced clerks.

The Jegen Floral Co. opened a retail store at 1155 N. State street on the 21st. The proprietors are sons of Mrs. Ratkowski who operated a store on Dearborn street for many years, and which went into the hands of a receiver this summer. The new store is on the popular north side.

INCORPORATED.

Filer, Idaho.—Filer Seed & Produce Co., incorporator, H. G. Weaver. Capital stock, \$10,000.

Huron, S. D.—Huron Greenhouses, capital stock, \$25,000. Incorporators, R. D. and W. F. Whorton and Mildred Cahsun.

Harrison, Okla.—Star Orchard Com-

pany, capital stock, \$100,000. Incorporators, A. L. Cock, President; W. S. Hill, vice-president; C. J. Chapman, secretary and treasurer.

VISITORS REGISTER.

Knoxville, Tenn.—I. Rosnosky, representing H. F. Michell Co., Phila, Pa.; S. S. Skidelsky, Phila, Pa.

St. Louis—J. J. Karins, representing H. A. Dreer and F. J. Farney, representing M. Rice Co., Philadelphia; Sidney Werthelmer and S. Seligman, New York; M. Levine, New York.

Washington—W. F. Kasting, Buffalo, N. Y.; C. S. Ford, Philadelphia, Pa.; E. H. Flood, Alco, Md.; Joseph J. Goudy, representing H. A. Dreer, Phila.; J. J. Grullemans, Jr., Lisse, Holland; George C. Watson, Phila, Pa.

Minneapolis, Minn. — Calvin Kinsman, Austin, Minn.; C. G. Nordine, Lake City, Minn.; John E. Sten, Red Wing, Minn.; N. Nielsen, Mankato, Minn.; C. E. Schafer, La Crosse, Wis.; A. L. Miller, Chicago, Ill.; H. A. Quallich, Chicago, Ill.

Cincinnati—Paul Berkowitz, representing H. Bayersdorfer & Co., Philadelphia; H. C. Neubrand, rep. A. N. Pierson, Cromwell, Conn.; R. E. Blackshaw, rep. A. L. Randall Co., Chicago, Ill.; Robert Newcomb, rep. Vaughan's Seed Store, Chicago, Ill.; E. W. Jordan, Cherry Lane, N. C.

Chicago:—Chas. F. Meyer, New York; Arthur R. Leidiger of Edlefsen-Leidiger Co., Milwaukee; W. F. Osborne, Rensselaer, Ind.; J. J. Karins, representing H. A. Dreer, Phila.; Oscar Herman, Council Bluffs, Ia.; J. A. Valentine, Denver, Colo.; George J. Dinkel, of Capitol Greenhouses, Springfield, Ill.; G. Johnson of Joy Floral Co., Nashville, Tenn.; Wm. P. Ward, representing D. Hill Nursery Co., Dundee, Ill.

A HANDY TOOL FOR CUTTING GLASS



"RED DEVIL" No. 6

Has six wheels in the handle and outlasts six ordinary glass cutters in efficiency and economy. Sent postpaid for 30 cents. Booklet on request.

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THE HOME OF WINTER-FLOWERING BEGONIAS

Now in bloom ready for Thanksgiving, Begonia Glory of Cincinnati, Begonia Melior, Cyclamen giganteum in best strain, choice well-flowered plants. Quality is our aim. Price list on application.

J. A. PETERSON & SONS, WESTWOOD,
CINCINNATI, OHIO

JAPANESE Bamboo Canes

Just the thing for
Staking Plants and
Small Trees

Per Bundle

6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

STUMPP & WALTER CO.

30 and 32 Barclay Street
NEW YORK

OLD TOWN NURSERIES 35,000 BERBERIS THUNBERGII

All Sizes. Write for Prices

M. P. Haendler, Prop. SO. NATICK,
MASS.

NEWS NOTES.

Seattle, Wash.—Buxten & Pedersen have rented the greenhouses of Andrew Matthiesen.

Kansas City, Mo.—Adolph D. Mohr has purchased a large lot of land near Broadway and 76th street, on which he will shortly start a nursery and erect greenhouses.

Olean, N. Y.—Elmer Rawlings has purchased the greenhouse property of Fred A. Hamm, Allegany, N. Y., and will remove his eight houses on West State street to the new location.

Cloversville, N. Y.—Thos. Barsons has sold his greenhouses on North Perry street and store at 18 West Main street to J. H. Frederick of Schenectady, who will take possession Nov. 21st.

Cold-Storage Lily of the Valley

Owing to war conditions, good stock is scarce. Secure your requirements for holiday forcing at once. Finest selected pips, packed in cases of 250, 500 and 1000 each.

AZALEAS

We have just received a large importation of Azaleas in splendid condition, which we offer for immediate delivery and as long as unsold at no advance over prices of previous years.

We offer the leading varieties,—Mme. Van der Cruyssen, Vervaeana, Simon Mardner, Empress of India, Mme. Jos. Vervaeene, Ernst Eckharte, Niobe, Vervaeana Alba, etc., strong plants:—

12 to 14 inches in diameter.....	\$9.00 per dozen,	\$60.00 per 100
14 to 16 " " " " " " " " " " " "	12.00 " "	75.00 " "
16 to 18 " " " " " " " " " " " "	18.00 " "	125.00 " "
18 to 20 " " " " " " " " " " " "	24.00 " "	
20 to 22 " " " " " " " " " " " "	36.00 " "	
Dwarf or Miniature: Firefly or Hexe, and Chas. Encke.....	4.80 " "	35.00 " "

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NEW YORK

ARE YOUR PLANTS MOVING?

If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. **Cash Ready.**

We are the *Largest Distributors to the People* in the United States.

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GIMBEL'S, New York City

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS
AZALEAS, CONIFERS, CLEMATIS
H. P. ROSES, SHRUBS, AND HERBACEOUS PLANTS.

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P. O. No. 1, Hoboken, N. J.

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AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

Holland Seed Supply.

In the condition of extreme doubt now existing as to the ability of the French and German seed producers to supply the American trade as heretofore it is reassuring to know that a Holland house of the established good reputation of Sluis & Groot is enabled to stand in the breach as a reliable source of supply. On certain vegetable seeds, this firm has long been recognized as a leader. Of spinach, for instance they probably sell more than all their competitors combined. Dealers will do well to notice their advertisement and get into communication with them. You will find in their wholesale trade price-list of vegetable and flower seeds some very interesting and timely information as to Holland's ability to fill the requirements of the American trade.

Notes.

J. O. Barnes of Malone, N. Y., has opened a branch agency at Fulton, N. Y.

The value of trees and plants imported into the port of New York during the week ending November 7, was \$26,441; grass seed, \$2,383; palm seeds, \$1,431.

An American consular officer in France is informed by a seed dealer in that district that he is in the market for crimson clover seed, and wishes to make connections with American dealers who now hold large stocks of this seed.

GLADIOLUS REGISTRATION.

Public notice is hereby given that the application of Munsell & Harvey, Ashtabuta, Ohio, for the registration of Hazel Harvey, and of B. Hammond Tracy for the variety Maize is approved by the Committee on Nomenclature of the American Gladiolus Society.

Hazel Harvey. Bloom medium large, tube curved, stout, long. Segments unequal, connivent; the upper horizontal and broad, the lower reflexed and narrower. Stamen filaments reddish. Anthers violet. Color carmine-red, throat amber-white, penciled carmine-purple. A good, compact bloom of good, clear color and good substance. Mid to medium late season. Spike tall, erect and a free bloomer on both main stem and branches. A vigorous grower and well furnished with broad leaves. Corms medium large, "increases by division." Cormels prolific.

Maize. Bloom medium size, tube curved, stout, short. Segments nearly equal, connivent; upper horizontal, the lower nearly straight. Stamen filaments white. Anthers lavender. Color amber-yellow with a well-defined, dull crimson blotch on the lower lip. Season early to mid-season. Spike medium tall, very erect and branched.

Growth vigorous with broad foliage. Corms medium size. Cormels large and prolific. This variety was discovered by Umpleby and introduced by Tracy.

A. C. BEAL, Chairman.

CATALOGUES RECEIVED.

J. L. Moore, Northboro, Mass.—Wholesale Price List of Dahlias and Gladioli.

Fred'k Roemer, Quedlinberg, Germany—Annual Illustrated Price List of Novelties in Flower Seeds for 1915.

F. C. Heinemann, Erfurt, Prussia—List of Novelties for 1914-15. Some very pretty flower seed novelties are featured.

North Eastern Forestry Company, Cheshire, Conn.—1915 Catalogues of High Grade Tree Seeds and Nursery Stock. Illustrated, pocket size.

Conard & Jones Co., West Grove, Pa.—Trade List of Roses, Cannas, Shrubs, etc., for November, 1914. Here is a fine canna novelty list and some tempting offers in berberises and viburnums. If you are in the shrub trade send for a copy.

Watkins & Simpson, Ltd., Covent Garden, London, Eng.—Special Offer of Vegetable Seeds, wholesale. Also, Special Offer of Flower Seeds, wholesale, illustrated, 66 pages. Also, List of 1915 Novelties in Vegetable and Flower Seeds, finely illustrated, 24 pages.

San Francisco, Cal., Nov. 7, 1914.
HORTICULTURE, Boston, Mass.:

Gentlemen:—We appreciate very much the excellent space and position you have given our new Sweet Pea "Veiled Bride" in your issue of October 31st. The advertising you have given this novelty, as well as some of our others, is bringing us good business.

Respectfully yours,
C. C. MORSE & CO.,
per Lester L. Morse, Pres. and Mgr.

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Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

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Prepaid to Your Door

1 Gal. Can. ... \$10.50 ½ Gal. Can. ... \$5.50
288 Sheets Paper. 7.50
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ROMAN J. IRWIN, 71 West 23rd St.
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New Crop Seeds

FOR FLORISTS AND MARKET GARDENERS.

SALVIA—Splendens, Bonfire.
ASTERS—All varieties.
VERBENA—SWEET PEAS.

Send list of wants.

Stamford Seed & Nursery Co., 43 Atlantic St
STAMFORD, CONN.

GLADIOLUS for FORGING

A money maker for the Florist; easy to grow, requiring little attention; a carnation house temperature suiting them.

MODESTY, Lavender,	100	1000
blotched mauve	\$1.00	\$9.00
NE PLUS ULTRA, Scarlet,		
blotched white	1.00	9.00
BRIDE, Pure white.....	.60	5.00
BLUSHING BRIDE, White,		
blotched red .....	.60	5.00
PEACH BLOSSOM, Salmon		
pink .....	.80	7.00

ALSO LIL. FORMOSUM, LIL. LONG. MULTIFLORUM, LIL. LONG. GIGANTEUM, AND ALL OTHER SEASONABLE BULBS.

Send for our New Wholesale Catalogue and Price List if you haven't received a copy.

Henry F. Michell Co. 518 Market St.
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Paper Whites, Fancy, \$8.00 per 1000

" Giant, 10.00 "

Roman Hyacinths,

12-15, 32.00 "

" 12-13, 29.00 "

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369 RIVER ST., CHICAGO.

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SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
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Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm

"IT'S A LONG, LONG WAY TO TIPPERARY"

SHAMROCK SEED

TRUE IRISH

FROM THE OULD SOD

½ tr. pkt. \$0.25 Tr. pkt. \$0.40
Ounce 1.00 ¼ lb. 3.00

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Our Triumph Exhibition Mixture

is especially desirable for its variety of colors and markings. Trade Packet, 75c.; Oz., \$6.00.

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is especially adapted for florists' use. Trade Packet 75c.; Oz. \$5.00. Our Trade List gives a most complete list of named varieties we carry in stock.

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Write for Prices

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California Seed Growers Association, Inc.
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97th YEAR
J. BOLGIANO & SON
Wholesale Garden and Field Seeds,
Onion Sets, Seed Potatoes
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NEW CROP SEEDS
FOR FLORISTS
Ask for 1914 Catalogues
Joseph Breck & Sons Corp.
Seedsmen
47-54 No. Market St., BOSTON, MASS.

S. S. SKIDELSKY & CO.
BULBS, PLANTS and SEEDS
1218 Betz Bldg., Philadelphia
Catalogue on application

Thorburn's Seeds and Bulbs

WE are hard at work on our 1915 Seed Catalog which will contain some novel suggestions and real helps.

Send us your card. We don't want to miss you in the distribution.

J. M. THORBURN & CO.
In Business Since 1802
53 Barclay Street - New York

Bedding Hyacinths BEST QUALITY

Separate Colors

\$2 per 100; \$18 per 1000

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GARDEN SEED

BETTER, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Day St., NEW YORK
and ORANGE, CONN.

BULBS SEEDS ROOTS

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Best Values in Boston.

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32 So. Market St., Boston.

MY NEW LIST OF
Winter Spencer Sweet Pea Seed
Has been mailed. If not in your hands now, send a postal for it.
ANT. C. ZVOLANEK
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Reference or cash must accompany all orders from unknown correspondents.
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Deliver orders from any part of the country to
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Prompt Delivery of Steamer Orders.
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FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
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York cities and
towns.

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304 Main Street
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When writing to advertisers kindly
mention HORTICULTURE.

**Of Interest to Retail
Florists****THE RETAILER'S BUSINESS CAL-
ENDAR.**

Nov. 21, Sat. Don't be so dead set on getting a traditional high price for your flowers. Give the public the benefit of seasonable price fluctuations once in a while. A nimble nickel is worth many times a dead dime. Many a florist has dead dimes lying thoroughly dead in long credit accounts with his customers.

Nov. 22, Sun. Hustle out with those orders so you can go home and get acquainted with the family today. Few florists can say that they see their children every day and go with them to church every Sunday.

Nov. 23, Mon. Start the week full of "pep" and a determination to have some substantial cause for feeling thankful for the business you are going to do for Thanksgiving Day. Keep track of all holiday sales, in order that you may be prepared when occasion arises. The business world is going at "break-neck" speed and to be merely "up-to-date" is no longer a safe position.

Nov. 24, Tues. Make that window display a dandy. You have all the theme you want at this time of the year with which to catch the popular fancy. Do it right and differently. The superconservative man is like a hitching post, steady enough, but he never gets anywhere.

Nov. 25, Wed. Collect overdue accounts and put the money to work earning or establishing a better credit for you. It would be a delightful old world if we could only buy experience on credit. But most of a man's illusions come out with his hair, and then again, sense always spells cents. Another thing—a man be said to have horse sense if he declines to mortgage his home to buy an automobile.

Nov. 26, Thur. All of us have something for which to be thankful. Only cowards cry, "No opportunity for a fellow nowadays." Can you look a United States map in the face and not see that the country is full of opportunities? Get busy; get excited over your chances for big success! Point out a man without enthusiasm and we will show you a plodder.

Nov. 27, Fri. Post the books today and note any defects in the system. The best thing we know for a business leak is — plug. The mistakes of the month need not be thought of as fatal and inevitable. Think of them as costly lessons—but be sure you realize their cost. It isn't the spurt or the false start that counts; it's the continual, unresisting advance that wins the race.

Nov. 28, Sat. If you do not take advantage of the opportunity to get something out of your trade papers, which should always include HORTICULTURE you are losing a lot of good chances. The trade papers are your partners in helping to increase the efficiency of the trade and place it on a pillar of superlative standards. And when it comes to advertising in the trade papers, it's ridiculous for the retailer to say that he has nothing to advertise. If he has anything at all

**JOHN BREITMEYER'S
SONS**

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada
Members Florists' Telegraph Delivery Association.

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Telephones 1591 and L 1882

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OMAHA, NEB.

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5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

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We ship to all points in Illinois and Iowa.

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All Orders Given Prompt and Careful Attention

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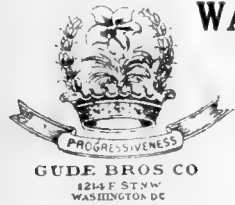
The largest cut flower store in America.
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Auto delivery of Designs and Flowers to
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FLORISTS

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1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

66 Yonge St., - - TORONTO, ONT.

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

Member of Florists' Telegraph Delivery

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting
especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED

Merchants Bank Building

40 STATE ST. - - - - BOSTON

Telephone Main 58

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George

Asmus, Mgr.

Chicago—William J. Smyth, Michigan

Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid

Ave.

Cleveland, Ohio—Adam Graham & Sons,

5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643

Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,

corner Broadway and Gratiot Ave.

Kansas City, Mo.—Samuel Murray, 913

Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141

Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th

New York—Dards, N. E. corner 4th St.

and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth

Ave.

New York—Thos. F. Galvin, Fifth Ave.,

at 46th St.

New York—A. Warendorff, 1193 Broad-

way.

New York—J. H. Small & Sons, 1153

Broadway and Waldorf-Astoria.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415

Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25

Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28

Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

St. Paul, Minn.—L. L. May & Co.

Stamford, Conn.—"Quality Shop;" Stam-

ford Seed & Nursery Co.

Tarrytown-on Hudson, N. Y.—F. R. Pier-

son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge

St.

Washington, D. C.—Gude Bros., 1214 F

St.

Washington, D. C.—F. H. Kramer, 915

F St., N. W.

Washington, D. C.—J. H. Small & Sons,

cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,

3 Pleasant St.

to tell about his goods or his service,
he has something to advertise. The
salesman argues these points to a
hundred customers—why not go fur-
ther and tell them to men the sales-
man knows nothing about? The sub-
scriber and advertiser of the trade
papers recognize the benefit of busi-
ness reciprocity; they know each other's
needs. They acknowledge the dis-
tinct service to each other. The trade
paper creates an unique bond of sym-
pathy between its subscribers and ad-
vertisers.

NEWS NOTES.

Southington, Ct. — Goodison Bros.
have purchased the florist business of
Olson & Mitchell.

Muskogee, Okla.—Charles W. Whal-
ey has purchased C. L. Crawford's in-
terest in Crawford's flower store, and
will continue the business under the
old name.

Philadelphia—Rupert E. Hall, late
with Wertheimer Bros. N. Y. City, is
now associated with the Pennock-Mee-
han Company in their ribbon depart-
ment. Robert Greenlaw, Boston, was
a recent visitor.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

**New London and Norwich, Conn.
and Westerly, R. I.**

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
1 Park St., Boston

M. RICE CO.

The Leading Florists'
Supply and Ribbon House

1220 Race Street, PHILADELPHIA, PA.

STAMFORD, CONN.

"Quality Shop"

Will take care of all your orders for de-
signs or cut flowers.

Stamford Seed & Nursery Co., 43 Atlantic St.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

St. Paul, Minn.

L. L. MAY & CO.

Catalogue Free on Application

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

13 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

NEWS ITEMS FROM EVERYWHERE

BOSTON

The first indoor America gladioli were noted this week at Penn the Florist's.

The new Lord & Burnham greenhouse erected by Thomas Roland at Revere is now completed. It is over 800 feet long.

H. F. Hartford, formerly with H. M. Robinson & Co., and A. L. Bork, formerly with T. F. Galvin, have joined the force of Wax Bros.

A glass-encased honey-comb swarming with bees was part of a very attractive window display at Harry Quint's store last week.

A new flower store has been opened by Roger T. Sullivan at 181A Hampshire street, Cambridge, Mass. Walt Farrell, who has been in the florist business for 30 years, is associated with Mr. Sullivan in his new enterprise.

Red carnations have come and gone, but Harry Fenn continues to be a favorite with local carnation specialists. This time we hear from J. A. Nelson of Framingham, through Wm. Hastings, his salesman, that this old red is doing remarkably well and has not lost any of its virility.

Ferns of good quality are in steady demand in the market. A. M. Davenport of Watertown and The Needham Conservatories are two local growers who have established a reputation for superb clean stock. The latter firm is now being represented by H. G. Cathie in the Boston Flower Exchange.

Display advertisements consistently inserted in the trade papers certainly do bring results. From a 2-inch advertisement displayed in the trade papers, orders for over 225,000 rooted cuttings of his new carnation, Alice, have been received by Peter Fisher, of Ellis, Mass. It has been exhibited at most of the shows this fall and has been attracting very favorable attention.

The season for azaleas and bulbs brings with it a demand for bulb pans and azalea pots. Despite the undue warmth of the past month, which would naturally discourage the demand for house plants, A. Leuthy and several other large growers of pot plants report business as quite good. As a complement to this plant activity comes a report from the A. H. Hews Co. of North Cambridge that the pot business is improving.

SAN FRANCISCO.

Ferrari Bros. are adding a 100 h. p. boiler to their heating plant in the Ocean View district.

Architect L. P. Robart, this city, has completed plans for extensive garden work for the Newhall residence at Burlingame, Cal.

The Cottage Gardens Nurseries, Inc., in which Charles Willis Ward, of New York, is largely interested, has taken over 45 lots in the Eden tract, Eureka, Cal., as a site for its greenhouses.

The company is also doing experimental work on a 220-acre tract on Yager Creek near that place.

Domoto Bros. have about 200 boxes of Japanese lily of the valley with which they are experimenting, in hope of producing something that will be acceptable to this market. They say the stock so far has not been up to standard, and they can make no promises, but hope to get better results.

The Pacific Coast Horticultural Society has not yet fixed upon a date for the exhibition next spring, which is to take the place of the usual fall exhibition, omitted this year; but plans are gradually being worked out, and it is hoped that the main hall of the new Auditorium will be available for the purpose, as an unusually large showing is expected.

R. D. Paul, representing Mrs. M. Shimmins, who operates flower shops in several California towns, has leased quarters for a new store at Hanford, Cal. The store will be operated as the Hanford Floral Company, and will open about Nov. 25. This will be the first exclusive flower shop in Hanford, the business having formerly been handled by the fruit nurserymen.

In connection with landscape work, the MacRorie-McLaren Company recently made what is said to be the largest shipment of heathers ever made on the Coast, including vagans, codonodes, Veitchii, melanthera, per soluta, insitanica, cinera carnea and Mediterranean. This company is now carrying out a large landscape contract for Balboa Terraces, a real estate tract in this city.

G. A. Dennison, chief of the Department of Horticulture of the Panama-Pacific Exposition, has received an announcement from a firm at St. Albans, England, that its shipment of shrubs and trees for the Exposition will proceed without delay. It will include begonias from Bruges, Belgium, and a collection of bay trees. There are now 98 gardeners employed on the Exposition grounds. H. Plath has just delivered to the Exposition a large lot of ferns and cyclamen plants.

The finishing touches are now being put on B. M. Joseph's new floral shop on Grant avenue, in preparation for the opening Monday, Nov. 16. This shop will be entirely different from anything previously seen in this city. It will occupy two floors of a five-story building, the entire front of which has been decorated in Italian Renaissance style, with window boxes on all the floors, and a trellis, to be covered with vines, from the second floor to the roof. The ground floor will be devoted to cut flowers, and the second to growing plants and ferns, which will be strongly featured. Mr. Joseph, who has dealt in art goods for many years, will make a specialty of art boxes, etc.

SPRINGFIELD, ILL.

A. C. Brown, 217 South 5th avenue, has a large share of the decorations in Springfield. All kinds of flowers and

bedding plants are grown in the 80,000 square feet of glass for their wholesale and retail store, over which Geo. W. Jacks has presided for many years.

Most of the State House pilgrims pass the Capitol Greenhouses, which were bought by Geo. J. Dinkel after the death of A. C. Canfield, many years their owner. There is a store and 20,000 feet of glass. Mr. Dinkel has been a florist for 22 years and his successful competition in the recent flower show at Indianapolis speaks well for his product.

Edw. Middendorf and his able assistant, Mrs. Middendorf, went into the retail flower business two years ago, with a store and greenhouses at 207 South Fourth street. Already a good trade has been established and plans are on foot for further developing the business. Among their recent orders was a large book with the word "Mother." Mr. Middendorf placed the word upon a ribbon and hung it over the page in book-mark form, changing a hard and often unsatisfactory design into a pleasing one.

Springfield, Ill., has an example of the successful woman florist in Miss Bell Miller, who began when a mere child. Her 60,000 square feet of glass are under her personal supervision and the visitor finds everything in perfect order.

Miss Miller has also ten acres of land, two of which are in peonies. Her business is both wholesale and retail and her office and store are built in bungalow style at 829 South Second street.

"Down state," the chrysanthemums are blooming as profusely as in Chicago and are not tempting the dollars from the pockets any more readily. Pompons are crowding their big sisters hard, as most buyers prefer numbers to size. The many shades make up into tempting baskets and bouquets for home and public buildings. It was noted that not a large chrysanthemum was used in the decoration of the State House for the meetings of the State Federation of Women's Clubs last week. None of the florists made any special appeal to the 600 delegates in the way of window display and no flowers were distributed in the corridors or streets for advertising purposes. A good many flowers were used, however, and the florists would have appreciated more orders.

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from Florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

KNOXVILLE NOTES.

Mr. Speer, formerly of Columbus, Ohio, who has been some time with Crouch of this city, is now with A. H. Dailey.

Mrs. R. H. Ryno, A. J. McNutt, A. H. Dailey and Howell Nursery Company, all report similar satisfaction with the season thus far.

C. W. Crouch reports business very good for the entire month of November. They are very well pleased with the way the season has opened up.

Chas. L. Baum states that although he is not doing the volume of wholesale business this year as he did last, comparative statements show that November is holding its own with some increase.

CINCINNATI.

Wm. Murphy has been on the sick list for the last few weeks.

Mr. and Mrs. L. H. Kyck are spending the current week in Kalamazoo, Mich., and Portland, Ind.

J. T. Conger will open a store at 112 E. 3rd street on November 24th. His purpose is to use this store to handle his wholesale plants and poinsettias for the Christmas trade.

NEW FLOWER STORES.

Bellevue, O.—Benjamin Fanning.

Ramford, Cal.—Mrs. M. Shimmins.

San Francisco, Cal.—H. M. Joseph, Grant avenue.

Athol, Mass.—Geo. W. Sutherland, Fay's block.

Chicago, Ill.—Jegen Floral Co., 1155 No. State street.

Cincinnati, O.—J. T. Conger, 112 E. 3rd street.

Phoenix, Ariz.—Chas. E. Morton, 115 North First street.

Painesville, O.—Carl Hagenburger Co., Utopia Block.

Rockland, Mass.—Clark's Flower store, Rice Block.

Detroit, Mich.—Schroeter-Stahelin Co., 531 Woodward avenue.

Kansas City, Mo.—Geo. Peppers, 10th and Walnut streets.

Philadelphia, Pa.—Miss Mary Brown, 1523 Germantown avenue.

Austin, Tex.—Chas. H. Alf, at Central Drug Store.

St. Louis, Mo.—Foster, the Florist, 7th and Olive streets.

Tacoma, Wash.—Mr. Welfare, Public Market, D street.

Philadelphia, Pa.—Wm. Hansell, 6025 Market street.

Milwaukee, Wis.—Nohos & Co., First National Bank building.

Washington, D. C.—G. E. Brooks, Park road and 14th street.

Baltimore, Md.—L. Hoffman & Bro., Pleasant and St. Paul streets.

Cleveland, O.—New York Flower Shop, Euclid avenue, near East 55th street; Harris Bros., 144 Euclid avenue.

Chicago, Ill.—Fernwood Park Floral Co., 10423 Wallace street; A. T. Eichel, 4226 North Crawford avenue; Fred C. Krell, 3023 Southport avenue.

New York, N. Y.—Craig Muir, Public Market, West 130th street and North river; John Strickland, Flatbush avenue, near Clarkson street.



BE SURE that you get the MEYER GREEN SILKALINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKALINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKALINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.
In writing advertisers kindly mention HORTICULTURE.

TWO VIEWS OF NEW FLOWER STORE OF GEORGE H. COOKE, WASHINGTON, D. C.



PORTION OF SALES DEPARTMENT



STAIRWAY TO CONSERVATORY WITH ICE BOX ON EXTREME LEFT AND ENTRANCE TO WORKROOM

BOXWOOD

\$7.50 per 50 pound crate

No unnecessary wood, no waste. Place your order now. Delivery December 1st.

THE LEO NIESSEN CO.

Wholesale Florists

12th and Race Streets, PHILADELPHIA, PA.

Branches: Baltimore and Washington

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 16		CHICAGO Nov. 16		BUFFALO Nov. 16		PITTSBURG Nov. 16	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	20.00	to 25.00	20.00	to 25.00	18.00	to 25.00
" " Fancy and Extra.....	12.50	to 20.00	15.00	to 20.00	15.00	to 20.00	10.00	to 25.00
" " No. 1.....	8.00	to 10.00	5.00	to 10.00	6.00	to 10.00	6.00	to 8.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" " Ordinary.....	2.00	to 4.00	5.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	2.00	to 6.00	3.00	to 4.00
Maryland, Shawyer, Taft, Extra.....	4.00	to 6.00	5.00	to 8.00	4.00	to 8.00	6.00	to 10.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	3.00	to 4.00	.....	to 4.00
Russell, Hadley, Ophelia.....	4.00	to 6.00	.....	to 7.00	7.00	to 8.00	6.00	to 12.00
Carnations, Fancy.....	2.00	to 3.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
" " Ordinary.....	1.50	to 2.00	1.00	to 2.00	1.50	to 2.00	.....	to 1.00
Cattleyas.....	50.00	to 60.00	35.00	to 50.00	40.00	to 50.00	30.00	to 60.00
Lilies, Longiflorum.....	10.00	to 12.50	10.00	to 12.00	8.00	to 10.00	.....	to 10.00
Lily of the Valley.....	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 5.00
Violets.....	.50	to 1.00	.75	to 1.00	.50	to .60	.25	to .50
Corn Flower.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Chrysanthemums.....	8.00	to 25.00	5.00	to 20.00	5.00	to 25.00	6.00	to 20.00
Sweet Peas.....	.50	to 1.00	.....	to 1.00	.50	to .75	.....	to 1.00
Gardenias.....	.....	to 1.00	.....	to 2.00	.....	to 1.00	.....	to 1.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	to 12.50	12.00	to 15.00	.....	to 15.00	15.00	to 30.00
Asparagus Plumosus, Strings (100).....	20.00	to 25.00	40.00	to 50.00	15.00	to 60.00	35.00	to 50.00
" " & Spreng. (100 bchs.).....	20.00	to 25.00	15.00	to 50.00	35.00	to 35.00	35.00	to 50.00

WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID

WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

BOSTON Market conditions are improving, but very slowly and to no marked degree. The conditions of last week continue to prevail with all kinds of flowers. Chrysanthemums still retard the movement of other crops. Bonnaillon and Eaton are the best sellers and command fairly good prices. Good red roses are being demanded in increasing quantities, especially Hadleys and Beauties. Killarneys are in light call just now. Trade was fairly brisk at the beginning of the week, but has dropped off considerably, although large sales are expected Saturday. The retailers are holding off till next week, on account of Thanksgiving, when business will naturally stir up. Gardenias and cattleyas are holding their own at normal figures. Violets are still scarce, but of good quality. Flowering plants and foliage plants are making steady sales.

BUFFALO Receipts are still heavy and speculative buying is weak. Stock is sold in small quantities only and there is naturally a surplus which has to be carried along from day to day. Beauties have shortened in supply, also violets, but there is any quantity of roses of all kinds, also lily of the valley, lilies and other stock. Of course the chrysanthemum season is now at its height. Excellent Turner, Maud Dean, Golden Wedding and Mrs. Jerome Jones, are coming in and a good quantity of medium Bonnaillon both yellow and white. The medium stock has sold though prices have not been up to other seasons. Pompons are fine and these too have taken well.

CHICAGO A little spurt in the wholesale trade began when the second week in November was midway, and quite an amount of the accumulation of stock, principally chrysanthemums, were moved. Friday showed a marked increase in sales all along the line. Saturday was a very good day and Sunday the demand was naturally very light for Indian summer suddenly took leave. Monday was very cold and florists were early at the market. All the first-class chrysanthemums of large size were cleaned out before noon and pompons made a record in the sales accounts. Stock has quickly responded to the drop in temperature by shortening up in supply, a condition not to be regretted. The price of roses has stiffened slightly though there is no material increase. There is a feeling that carnations are out of the race, with the ever-increasing popularity of the pompons and their splendid keeping qualities. So long as these are to be had at low prices, carnations will be sold at a loss, quantities moving at 50c. per 100. Ilex or winter berries are now in. Gardenias are here in limited quantity. Violets are selling fairly well. Lily of the valley and lilies are not selling particularly well. There is plenty of green and ferns are quoted at \$1.50 per 1000.

CINCINNATI Cold weather has set in and it is expected that this will result in a general shortening of the supply and stiffening of prices. The rose supply has been fully up to that of the



BEAUTIES

For Thanksgiving our Beauties will be in splendid shape. Good, well colored buds, unusually choice quality.

Special, \$4.00 per doz.; \$25.00 per 100.
Fancy, \$3.00 per doz.; \$20.00 per 100.
Extra, \$2.50 per doz.; \$17.50 per 100.
First, \$2.00 per doz.; \$12.50 per 100.
Second, \$1.50 per doz.; \$10.00 per 100.

VALLEY—Special \$4.00, Extra \$3.00 per 100.

GARDENIAS—Special \$3.00 a doz.; Fancy \$2.00 a doz.

CATTLEYS—Special \$6.00 a doz., \$40.00 a 100; Extra \$5.00 a doz., \$30.00 a 100.

EVERYTHING IN RIBBONS AND FLORISTS' SUPPLIES. Send for our catalogue.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N.W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Nov. 19		ST. LOUIS Nov. 16		PHILA. Nov. 16	
Roses						
Am. Beauty, Special	18.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 15.00	8.00	to 12.50
" " No. 1	5.00	to 8.00	5.00	to 8.00	3.00	to 6.00
Killarney, Richmond, Extra	5.00	to 5.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 8.00	4.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Maryland, Shawyer, Taft, Extra	6.00	to 8.00	4.00	to 5.00	4.00	to 8.00
" " Ordinary	.50	to 3.00	1.00	to 2.00	1.00	to 3.00
Russell, Hadley, Ophelia	3.00	to 10.00	4.00	to 8.00	2.00	to 12.00
Carnations, Fancy	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
" " Ordinary	2.00	to 3.00	1.00	to 1.50	1.00	to 1.50
Cattleyas	30.00	to 40.00	40.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	6.00	to 8.00	5.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets	.50	to .60	.20	to .25	.25	to .50
Corn Flower	.50	to .75	.....	.....	.....	.....
Chrysanthemums	3.00	to 15.00	10.00	to 20.00	5.00	to 20.00
Sweet Peas	.40	to .60	.50	to .75	.....	.....
Gardenias	20.00	to 30.00	.....	.....	10.00	to 25.00
Adiantum	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	4.00	to 10.00	10.00	to 12.50	12.50	to 15.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00	.....	.....
" " & Spreng. (100 Bchs.)	25.00	to 50.00	15.00	to 25.00	25.00	to 50.00

past fortnight. The stock is good but has been having only an ordinary market with buyers' prices governing. American Beauties are meeting with a ready sale. Chrysanthemum receipts are heavy. Relatively speaking they are selling better than the roses but the demand is not strong enough to bring about good substantial prices. The carnation supply is heavy but is enjoying at the best an indifferent market. Quite a few to go to waste. Lilies are plentiful. Lily of the valley, violets and orchids have a pretty fair call. The first sweet peas and paper white narcissus made their appearance last week.

KNOXVILLE Cold stormy weather is having the desired effect on the florist business and trade has picked up very rapidly in the last few days. Carnations and chrysanthemums are plentiful and of extra good quality; roses,

although enough to supply the demand, are not so good. Chrysanthemum Day which was observed on Saturday, November 7th, at all cemeteries in and about Knoxville, gave very pleasing results inasmuch as this was the first time the day had been observed in several years.

NEW YORK The winter weather man has been doing his best this week to help the flower man but other conditions are too much to overcome at once. Crates, crates, crates, truck loads of them, from morning till night, they are being unloaded all along 28th street, crates big enough to hold a full-grown man. Where all the six-foot chrysanthemums come from is incomprehensible—where they all go to is a profound conundrum. The receipts of chrysanthemums are not at all confined to the giant blooms, however, for

(Continued on page 74.)

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ROSES AND CARNATIONS	Last Half of Week ending Nov. 14 1914		First Half of Week beginning Nov. 16 1914	
American Beauty, Special	15.00	to 25.00	15.00	to 25.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1	2.00	to 6.00	2.00	to 6.00
Killarney, Richmond, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary	.50	to 2.00	.50	to 2.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary	.50	to 2.00	.50	to 2.00
Maryland, Shawyer, Taft, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary	.50	to 2.00	.50	to 2.00
Russell, Hadley, Ophelia	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy Grade	1.00	to 2.00	1.00	to 2.00
" " Ordinary	.50	to 1.00	.50	to 1.00

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**THE Florists' Supply
House of America****H. BAYERSDORFER & CO.**

1129 Arch St., Philadelphia, Pa.



Flower Market Reports

(Continued from page 737)

the pompons are also everywhere. Never before have they been so much in evidence and it is very plain that they are at last coming into general favor and are being used extensively in floral work. Notwithstanding the innumerable varieties and tints naturally produced in the chrysanthemums of today, the dye pot seems to be just as much in demand as ever and blooms with amazing colors are displayed in many a window where better judgment would be looked for. While all this lasts it is not much use to look for improved trade conditions but by the time Thanksgiving Day has passed, one week hence, the avalanche of chrysanthemums will be running low and then things will, we hope, take on a better aspect for the flower growers. Saturday of this week is expected to give a little impetus to the violet business and an advance price of \$1.00 per hundred is generally quoted for Yale's favorite flower. Snapdragons are again seen in the market in quantity and excellent quality for so early. Roses, carnations, lilies, cattleyas and all other standard stocks are in heavy supply and of excellent quality throughout.

There is little

PHILADELPHIA change to report in market conditions here.

Business continues fair with large supplies of all kinds of stocks and prices ruling low. Chrysanthemums are in immense supply and of fine quality. Bonnaffons predominate, and there are fine lots of Chadwick, Turner, Enguehard and Maud Dean. The rose situation is a little better; supplies are not so heavy and prices have stiffened slightly. American Beauty is an exception as they are in larger supply—the pinching for the Christmas crop being over. Jonkheer Mock is very good at present. More Russells could be used. It is in excellent demand and its growers are reaping a harvest. Sweet peas are beginning to appear again—some very fair Spencers being now offered. Cattleya Trianae is the latest among the orchids. Carnations are in fine form now, but the prices are far from being satisfactory. Violets are one of the few scarce items. They are probably holding these back for Thanksgiving. Paper Whites, pansies, bouvardia and mignonette are among the minor staples that are cutting some figure at present. Greens are going exceptionally well. Retinospora sprays seem to be one of the new items very popular.

Chrysanthemums, which have held a dominant position in the market for the last month,

SAN FRANCISCO are beginning to come forward less freely. This is not regretted, as people are beginning to tire of them a little, and prices for the last few weeks have not been entirely satisfactory. Attention is now beginning to turn more to roses, which are appearing in somewhat larger quantity, and also show a gradual improvement as to average quality. A good lively demand is expected by Thanksgiving. So far there has been no call for roses to be shipped north. In fact, violets are about the only line that is being shipped to distant points, though a few

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Fine Boxwood, \$7.50 per 50-lb. case.

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 14 1914		First Half of Week beginning Nov. 16 1914	
Cattleyas	15.00	to 25.00	15.00	to 25.00
Lilies, Longiflorum	3.00	to 5.00	4.00	to 5.00
" Rubrum	1.00	to 3.00	1.00	to 3.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Violets	.25	to .40	.35	to .50
Corn Flower	.....	.....	.....	.....
Chrysanthemums	2.00	to 15.00	2.00	to 15.00
Sweet Peas	.25	to .50	.25	to .50
Gardenias	5.00	to 15.00	5.00	to 15.00
Adiantum	.50	to .75	.50	to .75
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings (per 100)	25.00	to 30.00	15.00	to 30.00
& Spren (100 bunches)	15.00	to 30.00	15.00	to 30.00

chrysanthemums are going as far east as Salt Lake. The violet growers have been disappointed in their hopes of a good rain, which is badly needed by the flowers. The market is rather glutted with carnations, and prices are very low. The great bulk of the stock is rather trashy in quality, and its cheapness tends to depress really first-class stock, of which there is a little coming in. Cyclamen flowers are selling very well, and are rather more plentiful than usual, with indications of a gradual increase in supplies until Christmas. The supply of orchids is well maintained and offerings, as a rule, are well taken up. California holly and madrone berries find a little more demand, though by no means large as yet. Greens of all kinds are abundant. General retail business is about all that can be expected. The intercollegiate football game Saturday will doubtless give the usual stimulus to chrysanthemums and violets in the local market. Judging by conditions at the gardens and hothouses around the Bay, all seasonable goods will be unusually plentiful during the holiday season; and while prices will doubtless be low, the season is expected to be a very satisfactory one for the trade.

The local market has

ST. LOUIS been in splendid condition as to supply and the demand too has been quite satisfactory on some days. Chrysanthemums are still the main attraction. Some of the late varieties are now coming in heavy. Prices have been most reasonable. Other flowers coming into this market are far too many for the local trade to dispose of. Roses are many and fine. Only the extra fine stock goes at the quoted prices. Violets are in excellent demand, also sweet peas are improving daily in quality. Carnations are in fine supply. The cold winter weather that started in today, Nov. 16, should boom business and make things more steady.

WASHINGTON

Contrary to expectations, the good business that the majority of florists had hoped for has not materialized up to the present time. There is a large oversupply of stock and in many instances the customer dictates his own prices for the flowers that he desires. There are flowers of all kinds coming in from the nearby country that are flooding the local market to an extent never before known in Washington. The warm weather was continued for a week or more causing flowers of all kinds to be overplentiful and the demand exceptionally poor for this time of the year. This sentiment seems to prevail throughout this territory and there are but one or two retailers who are optimistic enough as to declare that business is good with them. It seems futile at this writing to quote prices for quotations would not hold good over night. Dendrobium formosum still continues to pile in. Gardenias are very plentiful and go begging at even \$1 a dozen. The call for lily of the valley has been very good and the stock is as fine as has ever been seen here. Paper White narcissi are not yet in sufficient quantity to cause worry. Some good mignonette is to be had but because of the lack of large dinner decorations this flower is passed by for something showier and perhaps cheaper. There is a great oversupply of Lilium rubrum and most of these flowers find their way to the refuse pile. Carnations are exceptionally good and are perhaps in somewhat better demand than they have been. Orchid flowering sweet peas that are now to be had in American Beauty shade and lavender, meet with a ready sale at up to \$1.50 per hundred. Violets are still very scarce and not very good.

BUSINESS TROUBLES.

Middleboro, Mass. — Frederick P. Chase, florist, assets, \$315.00; liabilities, \$1,616.00.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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stone, L. I., N. Y.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

For List of Advertisers See Page 715

FERNS—Continued

A. M. Davenport, Watertown, Mass.
Ferns in Flats.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

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N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

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E. Allan Peirce, Waltham, Mass.
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For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Daniel Iliffe, South Weymouth, Mass.

Pierson U-Bar Co., New York City.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS
Michigan Cut Flower Exchange, Detroit, Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.

Fancy and Dagger Ferns.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Strong plants from field or pots. Write for prices on what you need. First-class stock. **W. E. KING, Box 1365, Little Silver, N. J.**

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Daniel Iliffe, South Weymouth, Mass.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parselsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co., Chicago, Ill.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."

For page see List of Advertisers.

Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

B. G. Pratt Co., New York City.
For page see List of Advertisers.

IRIS

IRIS—10 named varieties German Iris, \$2.00 per 100. AMON HEIGHTS NURSERIES, Camden, N. J.

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English Ivy from field, 20 to 30 in., \$3.00; from pots, 30 to 40 in., \$5.00 per 100. **CHARLES FROST, Kenilworth, N. J.**

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Henry F. Michell Co., Philadelphia, Pa.
Lilium Longiflorum Multiflorum.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteuma.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY

McHutchison & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.

\$5.00 per 1,000; Clumps, \$.00 per 100, 5 inch, for outdoor planting. Dahlias of all varieties. HENRY SCHAUMBERG, Ham-monton, N. J.

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F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.

For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louis-ville, Ky.

For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphne Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

New England Nursery Co., Bedford, Mass.
Bedford Quality Nursery Stock.
For page see List of Advertisers.

Isaac Hicks & Son, Westbury, L. I., N. Y.
Make Money on Hicks' Evergreens.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PANSY PLANTS

Pansies—Mixed, strong plants, \$3.00 per 1,000 or 50c. per 100, by mail. CHAS. FROST, Kenilworth, N. J.

PANSY PLANTS—Continued

Pansies—Excellent stock, brilliant colors, seedlings with good roots, \$2.00 per 1000; 35c. per 100. Cash. PETER HERB & SONS, Mt. Healthy, O.

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50 varieties of Pelargoniums, all under name. Send for descriptive circular and price list. JOHN S. LEACH, Hartford City, Indiana.

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Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

25 acres devoted to the growing of Peonies; let me figure on your list of wants. GILBERT H. WILD, Sarcosie, Mo.

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PHLOX—Mrs. Jenkins (the best white), \$3.00 per 100. We need the room and have 20,000 surplus. AMON HEIGHTS NUR-SERIES, Camden, N. J.

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Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDREONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SCALECIDE

B. G. Pratt Co., New York City.
For page see List of Advertisers.

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Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.

For page see List of Advertisers.

Brasian Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Mitchell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Shamrock Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

Stamford Seed & Nursery Co., Stamford, Conn.

For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Peas, \$4.00 to \$5.00 per bushel, No. 1 quality. Leading garden varieties. P. J. WILKINSON, Brookside Farm, Cambray, Ontario, Canada.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS.

Live Sphagnum moss, orchid peat and orchid basket always on hand. LAGER & HURRELL, Summit, N. J.

For List of Advertisers See Page 715

SPIRAEA RUBENS

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

STANDARD REGISTERING THERMOMETERS

Standard Thermo Co., Boston, Mass.
For page see List of Advertisers.

STOCKS

Stocks, Pink and White, a selected strain, 80 per cent. double, nice stock plants out of bench, \$3.00 per 100, cash. W. H. WAITE, Greystone, Yonkers, N. Y.

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Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VEGETABLE PLANTS**RHUBARB**

VICTORIA—Large clumps suitable for forcing, doz., \$2.50; 100, \$12. BRECK-ROBINSON NURSERY CO., Lexington, Mass.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Apblae Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komads Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS**Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kaating Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

**WHOLESALE FLORISTS—Continued
New York**

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**AMERICAN BEAUTIES.**

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ARDISIAS, CYCLAMEN, BEGONIAS, ETC.

Julius Roehrs Company, Rutherford, N. J.
For page see List of Advertisers.

AUCTION SALE OF NURSERY STOCK, BULBS, ETC.

Elliott Auction Co., New York City.
For page see List of Advertisers.

COLD STORAGE LILY OF THE VALLEY.

F. R. Pierson, Tarrytown, N. Y.
For page see List of Advertisers.

SEEDS, BULBS, PLANTS.

Burnett Bros., 98 Chambers St., New York
For page see List of Advertisers.

SELECT FORCING RHODODENDRONS.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

"THE HOME OF WINTER FLOWERING BEGONIA."

J. A. Peterson & Sons,
Westwood, Cincinnati, Ohio.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

SITUATIONS WANTED

WANTED—Head Gardener's or Superintendent's position. Northern and Southern experience in all branches; best of references. W. D. NICKERSON, 116 Putman St., Quincy, Mass.

FOR SALE**FOR SALE OR LEASE.**

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M." care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PAE-SHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Two Lord & Burnham 9-sectional boilers, 1 No. 15 L. & B. Greenhouse material new, at a reduced price. V. E. REICH & SONS, 1429-31 Metropolitan Ave., Brooklyn, N. Y.

**BAILEY'S NEW STANDARD
Cyclopedia of Horticulture**

Six large quarto volumes. More than 3,600 pages. 24 exquisite full-page color plates. 96 full-page sepia halftones and more than 4,000 text engravings. 500 collaborators. Approximately 4,000 genera, 15,000 species and 40,000 plant names.

The new Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is not merely an ordinary revision or corrected edition of the old Cyclopedia, but it is a new work from start to finish with enlarged boundaries geographically and practically; it supersedes and displaces all previous editions or reprints of every kind whatsoever. It is both an Encyclopedia and a Manual, for with the aid of its Synopsis and Key, amateur and professional alike may quickly identify any plant, shrub or fruit contained within the set, and then receive expert instructions for its cultivation. Price \$6.00 per volume. Two volumes have now been issued and the others will follow in succession. Order from

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

In writing to Advertisers kindly mention Horticulture

PINES ATTACKED BY NEW INSECT.

The U. S. Department of Agriculture is calling attention to the introduction and establishment in America of the European pine shoot moth, which threatens to cause serious loss. This insect has been already mentioned in *HORTICULTURE* during the past season. It is a small orange-red moth, the larva of which hollows out new buds and kills or injures the ends of twigs of pine trees. This injury causes a deformity which is serious in ornamental trees, and in trees grown for lumber makes a crooked growth and a consequent waste when the tree is cut.

In Europe the insect not only attacks all native pines but is equally injurious to American species cultivated there. The department states that the young larvae came into this country within the buds on imported pine seedlings which have come from France, England, Holland, Belgium or Germany. The department's investigators have discovered it in only ten localities, in six states from Massachusetts to Pennsylvania, but it is likely that it may be found in other localities. It has not been found in any native trees in the forest, and with only one exception has always been on European pines in nurseries and private parks. There is no evidence to indicate that it has been in this country more than a year except on Long Island, where it has existed for more than two years.

There are several native pine shoot moths, but none of them inflict the serious injury of the European species.

The department hopes that the new pest may be stamped out before it becomes too widespread to be controlled. At present the problem of its elimination is confined mainly to nurseries, but if it once gets into the native pine forests the experts think that it would be beyond control. In its larval stage the moth is so effectively protected in the buds and shoots that it can not be reached by any insecticide, and the only method of getting rid of it is to prune out and destroy the shoots which contain the insect. This should preferably be done during the fall and winter. Though it is easier to locate the injured tips and shoots after growth has started in the spring, it is safer and better for the tree to have it done in the fall. Measures for control, to be effective, can not be accomplished without the cooperative action of all who grow or plant European pines or deal in them.

Further information in regard to the insect may be obtained by application to the bureau of entomology, Washington, D. C.

GERANIUM LEAF SPOT.

Apropos of the fact that we had received so many inquiries from different sections of the country and that, every fall and spring we see in the trade papers considerable discussion of a geranium leaf-spot supposed to be caused by a fungus, we have had our State Horticultural Department take the matter up and they have in turn referred it to the U. S. Dept. of Agriculture at Washington. In response, Prof. F. H. Chittenden, of the Bureau of Entomology, writes as follows:

"I am in receipt of your additional

Pulverized Sheep Manure From Big Feeding Barns No Adulteration—No Weed Seeds



THIS IS THE BRAND
GUARANTEED PURE

Sheep's Head Manure is the cleanest in America. Here are the big covered corrals of the railroads, where the sheep are unloaded and kept from 60 to 90 days to fatten for the Chicago market.

We Guarantee

our product to be absolutely clean — no pig manure or other adulteration — nothing but sheep manure — dried and pulverized for easy handling, and all the weed seeds killed.

Some of the largest growers in the East have used our product for years.

Shipped in 100 lb. sacks

Write for quotations and freight rates

NATURAL GUANO CO.

815 River Street

Aurora, Ill.

specimens of geranium leaves and beg to state, as before mentioned, that the injury is apparently entirely that known as stigmanose. This was for some time believed to be a specific fungus trouble but by experiments has been determined to be the result of injury either by thrips or aphides. Under certain conditions plants attacked by these insects seem to develop this peculiar adventitious cell growth which much resembles the attack of certain species of fungus. Fumigation or the application of proper insecticides for thrips and aphides would undoubtedly lessen the injury. The attack of these insects may be responsible for the yellowing of the leaves but I am unable to state this definitely."

Prof. C. E. Temple, of Md. Hort. Dept., writing further on the subject, says:

"I may add that Mr. Anspen and I are planning some experiments to determine the cause of this trouble. It will take some time, but I am sure that we will be able to get some results. I am unable to see how the trouble can be considered especially serious, and personally I do not believe the spot which we have had most to say about is caused by a fungus."

Prof. Temple would be pleased to receive any information or data relating to the disease from any florist who has the trouble, so that he may come to some definite conclusion as to what the real cause is and thereby the remedy.

R. A. VINCENT.

Whitemarsh, Md.

NEWS NOTES.

Southington, Ct. — The Oleson & Mitchell Florists' Company will hereafter be known as the Mitchell Company, Mr. Oleson having withdrawn.

Marlboro, Mass. — Joseph Jones of Keene, N. H., has purchased the Warren House Greenhouses on East Main street.

Chatham, N. Y. — The greenhouse which has stood for some time on Richard Mason's premises in Kline Kill has been purchased by Mrs. R. H. Finch and is now being re-erected on her premises on "Brooklyn Heights."

Galesbury, Ill. — I. L. Pillsbury has just finished rebuilding one greenhouse, which will be used for palms and decorative stock. The house was built over twenty years ago and was getting out of shape, so he tore it down and rebuilt higher and broader.

St. Louis — The students at the Missouri Botanical Garden have organized a club of which Fred Grossart is president; Carl Giebel, vice-president; Paul Kohl, secretary and treasurer. They will hold monthly meetings. The first meeting was held Nov. 5 in the Lecture Room of the Garden and Dr. Geo. T. Moore addressing the young men. Interesting features will be at each meeting during the winter months.

The chrysanthemum show at the Missouri Botanical Garden is now at its height. The public is taking greater interest this year than heretofore. Max Schiller has charge of the show.

LIQUID = "NICO-FUME" = PAPER

THRIPS, - APHIS

SPRAYING-VAPORIZING-FUMIGATING

ASK SEEDSMEN FOR PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

Don't Neglect
Fall Spraying

"SCALECIDE"

Modern Methods
Demand It

TRADE MARK REG. U. S. PAT. OFF.

It pays to get in fall spraying whenever possible. There is danger in waiting for spring spraying. "Scalecide" is better than any other dormant spray, either for insects or fungi.

Costs no more than lime-sulphur or the less effective mixtures. Our booklet "Scalecide, The Tree Saver" mailed free. B. G. Pratt Co., Dept. "12", 50 Church St., N. Y. City.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

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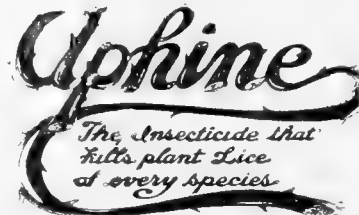
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NEWS NOTES.

Clinton, Mo.—The Barnhart Greenhouses have been sold to J. M. Holmes & Son.

Pittsburgh, Pa.—F. M. Fritchman has purchased the business of the Finleyville Floral Company.

Rehoboth, Mass.—Mrs. A. E. Brownell, who has been doing business under the name of the Seekonk Gardens has sold out to George C. Tennant.

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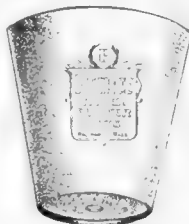
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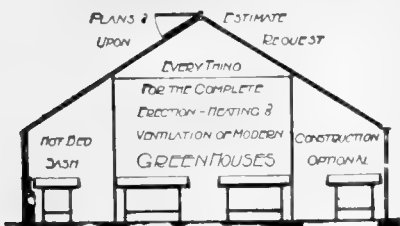
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Photograph taken in one of Mr. Fred Burki's connected houses at Bakerstown, Pa. The Broad Strip of shade on the right hand bench is cast by the Gutter. The Narrow One on the left hand one, is cast by the Ridge. Time of taking photograph was at one o'clock, the fifteenth of August.

The Question of Shade In Ridge and Furrow Houses

ALONG the middle of last August when in Pittsburgh, I took the trolley one fine morning out to Bakerstown, to visit again the range of the Pittsburgh Cut Flower Co.

Was fortunate in finding Mr. Burki at his office. In his characteristic direct way; all formalities were soon out of the way and he was talking greenhouse facts and figures.

Most of his eight acres of glass are separate houses, but he has two blocks of connected ridge and furrow ones. In 1911 we sold him 10 each 12' 0" wide and 100' long.

Last year, however, he bought another of our separate houses 41' 4"x583' 4" and this brings us to the main point of this Ad.—the shade in connected houses.

In passing through some of these houses, the benches of which had just been white-washed ready for new soil, Mr. Burki called my attention to the difference in the shadow cast by the sun on the benches by the gutter, and by the ridge.

The ridge shadow measured three inches in width,

and the gutters, 7½ inches, or more than twice as much.

When you consider that this was at one o'clock on a day in the middle of August when the sun was high and casting the shortest shadow, the thought of what that shadow is during the short days of December when the sun hangs low, is certainly such as to make a man sit up and take notice.

Not only will the shade be much broader but in combination with the ridge, the shadow is practically continuous.

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In addition to the shade side of this discussion there are also the questions of heating economy and improved ventilating conditions that unquestionably exist in the large single houses, both of which we would like to discuss with you.

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Vol. XX
No. 22
NOV. 28
1914

HORTICULTURE



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LIST OF ADVERTISERS

Page	Page	Page	Page	Page	Page
Advance Co.....718	Conine, F. E.	Haendler, M. P.....761	Metropolitan Ma-	Pratt, B. G. Co.....777	Smith, W. & T.
Albany Cut	Nursery Co.....761	Hail Association.....778	terial Co.....778	Pulverized Ma-	Nursery Co.....750
Flower Ex.....770	Cowee, W. J.....768	Hart, Geo. B.....770	Meyer, John C.	nure Co. ....777	Standard Thermo
Allen, J. K.....770	Craig, Robt. Co.....752	Heacock, Jos.....752	Co.....767	Quaker City Ma-	Co. ....778
Anderson, S. A.....766	Critchell, C. E.....768	Henderson, A. &	Meyer, Chas. F.....751	chine Co. ....779	Stearns, A. T.
Apine Mfg. Co.....777	Dards .....764	Co.....762	Michell's Seed	Randall's Flower	Lumber Co.....779
Aschmann, G.....752	Davenport, A. M.....752	Hess & Swoboda.....764	House .....762	Shop .....765	Storrs & Harri-
Asmus, Geo.....765	Dorner, F. &	Hews, A. H. &	Michigan Cut	Reed & Keller.....770	son .....752
Ayres Co., S.	Sons Co.....752	Co.....776	Flower Ex.....768	Reid, Edw. ....768	Stumpp, G. E. M.....764
Bryson .....768	Dreer, H. A.....	Hilfinger Bros.....776	Millang, Chas.....770	Reuter's .....765	Stumpp & Wal-
Badgley, Riedel	750-776-778	Hill, E. G. Co.....768	Moore, Hentz &	Rice, M. Co.....765	ter Co.....761-777
& Meyer .....770	Dunlop, John H.....765	Holland Nurser-	Nash .....770	Roehrs, J. Co.....760	Thorburn, J. M.
Barrie, Geo. N.....773	Dysart, R.....771	ies .....761	Murray, Samuel.....764	Roland, Thomas.....752	& Co.....763
Barrows & Son.....752	Edwards Folding	Holm & Olson.....764	National Nursery-	Rolker, A. &	Traendly &
Bayersdorfer, H.	Box Co.....768	Irwin, R. J.....763	man .....750	Sons .....751-776	Schenck .....770
& Co.....770	Elliott Auction	Kasting, W. F.	Nicotine Mfg. Co.....777	Rosery, The.....764	Trepel, C. C.....761
Bay State Nur-	Co.....750	Co.....768	Niessen, Leo Co.....768	Schiller Bros.....762	Valentine, J. A.....764
series .....750	Ernest, W. H.....776	Keller, J. B.	Oechslin, Ernest.....752	Schiller .....765	Vick's, James
Bobink & At-	Ester, J. G.....778	Sons .....761	Old Town Nur-	Schling, Max.....765	Sons .....763
kins .....761	Eyres .....765	Kentucky Tobac-	series .....761	Schwake, Chas.	Vincent, R. Jr.
Boddington, A.	Farmers and	co Product Co.....777	Ouwkerkerk, P.....761	& Co.....751	& Sons Co.....751
T.....762	Florists Fertil-	Kervan Co. ....770	Palmer, W. J. &	Sheridan, W. F.....770	Wants, For Sale.....775
Boligiano & Son,	izer Co.....777	King Construc-	Son .....764	Sharp, Partridge	Ward, R. M. &
J.....763	Farquhar, R. &	tion Co.....778	Park Floral Co.....764	& Co.....779	Co.....752
Boston Florist	J. & Co.....750	Komada Bros.....770	Parshelsky Bros.....778	Shinn, Warren.....762	Warendorff, A.....764
Letter Co.....768	Fisher, Peter.....752	Kramer, F. H.....765	Peirce, E. Allan.....776	Siebrecht, Geo.	Weber, F. C.....765
Breck, J. & Sons.....763	Foley Mfg. Co.....779	Kroeschell Bros.....779	Pennock - Meehan	C.....770	Welch Bros.....768
Breitmeier's, J.	Ford, M. C.....770	Kuebler, W. H.....770	Co.....769	Siggers & Sig-	Whittier & Co.,
Sons .....764	Ford, W. P.....770	Lemon Oil Co.....777	Peterson, J. A.	gers .....778	W. B. ....750
Bryan, Alonzo J.....752	Framingham	Leonard Seed Co.....763	& Sons .....761	Skidelsky, S. S.	Wood Bros.....752
Burnett Bros.....763	Nurseries.....750	Loechner & Co.....751	Pierce, F. O.....778	& Co.....763	Woodruff, S. D.
Burpee, W. A. &	Froment, H. E.....770	Lutton, A. H. Co.....779	Pierson, A. N.....752	Sluis & Groot.....763	& Sons .....763
Co.....762	Galvin, Thos. F.....765	May & Co., L. L.....765	Pierson, F. R.	Small, J. H. &	Woodrow & Mar-
California Seed	Gasser Co., J. M.....765	McCarthy, N. F.	Co.....761-765	Sons .....765	kets .....768
Growers' Asso.....763	Graham, Adam	& Co.....768	Pierson U-Bar	Smith, P. J.....770	Young, A. L.....770
Carter's Tested	& Son .....764	McConnell, Alex.....768	Co.....750	Smith & Co., E.	Young, John .....770
Seeds, Ins.....762	Grey, Thos. J. &	McHutchison &	Plantlife Co.....777	D.....777	Young & Nugent.....764
Childs, John	Co.....763	Co.....750	Plant Food Co.,	Smith & Hemen-	Zinn, J. A.....765
Lewis .....762	Gude Bros. Co.....765	McManus, Jas.....770	20th Century.....777	way Co.....760	Zvolanek, Ant. C.....763
Clarke's, D.			Poehlmann Bros.....768	Smyth, Wm. J.....764	
Sons .....764					

For BUYERS' DIRECTORY AND READY REFERENCE GUIDE, See Pages 772, 773, 774, 775

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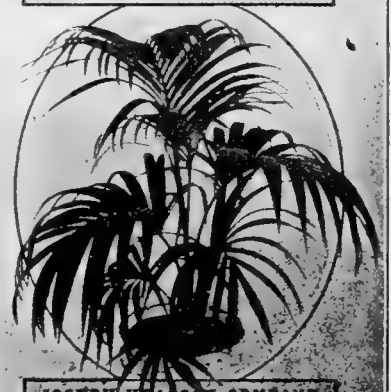
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toll, we ought to blame the culture, not the soil."—*Pope*.

Allamandas

These plants should now have made plenty of fine wood and will now need a good rest. All syringing must be discontinued and just enough of water should be given to keep the shoots from shrivelling. The ripening process will have to be done very gradually. Allow the soil to get a little drier after each watering. The foliage will turn yellow and finally drop. During this resting period which should go on for ten or fifteen weeks the temperature should not go below 55 degrees at night. They should have plenty of ventilation whenever the outside condition will permit.

Care of Carnations

Where carnations are showing plenty of buds they should get some light top dressing. After February 1st if the plants are still doing well they will need more food, and liquid manure can be used to advantage about once a week, or top dressing can again be resorted to, using dried blood or nitrate of soda in light doses, or sheep manure or shredded cattle manure in heavier doses, and if available, a good lot of rotted stable manure, which also will help to keep the beds from drying out too quickly. Carnations will do well with a night temperature of 48 degrees to 52. The day temperature should be governed by the weather, not allowing it to rise above 60 degrees on cloudy days and 72 degrees on bright days. Nothing will be gained in getting a few extra flowers in winter by running the houses a few degrees higher, as the plants will be sure to suffer. Examine the benches every day for the dry places which can be watered.

Care of Gardenias

Gardenias will now want very strict attention. The way watering is done from this out will play an important part in having good gardenia flowers. Either an undersupply or excess will always prove disastrous. Damp down the walks two or three times a day for they do abhor anything like a drying atmosphere. Give a night temperature of at least 65 degrees with 10 to 15 degrees higher with sun. Give enough ventilation on all good days so as to avoid a hot stuffy atmosphere. Take advantage of every bright day and do some syringing as it is a great aid in keeping the plants healthy and clean. Give them light mulches about every month. Either sheep or cow manure in equal parts with soil makes the best mulch.

Next Week:—Azaleas for Christmas; Christmas Talk; Lilies for Christmas; Christmas Greens; Hybrid Perpetuals for Easter; Care of Violets.

Propagating Crotons

From December to February, when firing is the heaviest and the propagating sand is most likely to be steadily warm, is perhaps the best time for rooting crotons. The best condition for successful rooting is when we can maintain a bottom heat of 80 to 85 degrees, with top heat 10 degrees lower, but they will root in a top heat even 20 degrees lower. Half ripened wood is the best to use. Water freely. Usually a good damping will be needed daily, in addition to occasional light sprayings. Protect from all sunshine. Where you have a lot of leggy crotons nice young plants may be had by making incisions in good, shapely shoots. Keep open with toothpicks, bind with sphagnum and keep constantly moist and roots will be emitted in a month or less, when the tops can be cut off and carefully potted. With a little shade and careful handling large and well finished plants in small pots may be had in this way. Crotons are fond of a high temperature so should never have less than 65 degrees at night, and 15 to 20 degrees higher with sun.

Rhododendrons

Rhododendrons for the past two seasons have sold well, especially at Easter. Considering size of plant and number of buds the first cost of the plants is a trifle and their worth must be estimated on the bench room they occupy rather than on first cost. The rhododendrons, remember, are hardy even in our semi-arctic winters, and it is not the cold but the soil that often makes them a failure outside in this locality. Wet the roots of the rhododendrons as you did the azaleas and place them in a cold house or shed or in a deep cold frame covered with sashes where they could remain until February. See that they have plenty of drainage and are potted firmly. Keep the soil moist. By February bring them into a cool house where they can be started up slowly.

Preparing Ground for Asters

Where the ground does not freeze up to this time it can be prepared for asters for next year. They always do better when the ground is plowed or dug late in the fall. Spread a heavy coat of manure and plow or dig this under, leaving it rough over the winter. In the spring this will save a good deal of time. All you will have to do is to give it sufficient harrowing to pulverize.

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ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Trouble With Mrs. Aaron Ward

Dear Sir:

I am sending you a piece of Mrs. Aaron Ward plant asking you if you will kindly inform me what is wrong with them. The stems do not get over four or five inches long. We also grow Killarney Brilliant, Double White Killarney, American Beauty, Richmond and Hadley, in the same house. The leaves seem to turn yellow and drop quite freely on all the varieties except the Hadley. These are doing fairly good, only the buds do not get as large as they should. These roses are in about three and one-half inches of soil; they were set out July 1st. I have given them a top dressing of cow manure, bonemeal, a little wood ashes and liquid manure. Is fresh cow manure the best for liquid, and how to make it to be most useful? How often is it advisable to use lime?

Yours respectfully, N. H. C.

New York.

The tips that you sent us for examination arrived pretty well dried up. Such samples should be sent in wet moss so that they arrive still fresh and green. However we were able to locate at least a part of your trouble. The plants are infested with an especially healthy tribe of red spiders, and these were all alive, crawling over your letter in search of something to eat. It will take quite a little work and patience to rid your plants of these pests at this time of the year. They must be numerous for they will not start on the new growth unless their numbers are so great that they grow faster than the plant itself. If you do not know what they are, take a magnifier and turn it on some of the leaves and you will see little red spiders, very similar to small chicken lice and about as destructive. These suck the very life out of the plants. This will account for your leaves dropping and you must begin at once and syringe the plants well on every clear morning. When we say syringe we do not mean just merely throwing water all over the plants, but throwing the water in a fine mist at great pressure against the plants from underneath, and shaking the hose or nozzle to go up and down the plant. This will take most of the spiders off, and blow them to kingdom come. We would recommend some insecticide, but we are afraid you may use it too strong and burn your plants. If you wish to try it, do so on a few plants and if no harm results then dose the whole house. Syringing, however, is the cheapest and safest. As soon as the plants are free from spider they will look a little better, and may grow real good again. Let us hear from you as you go along. Fresh cow manure is not as good for making liquid as decayed manure, same as is used for mulching. The liquid made of the latter is more available to the plants, and they can use it at once. The best way to mix it is to have two tanks, one higher and one lower. Have a narrow trough between the two about a foot square, with several screens in it, using two of each kind. The last should be the finest, and this will take all the coarse stuff out of the water. Put the manure into the upper tank, and fill with water, mixing the manure well, and then open the gate into the trough and let the water go through the screens. Having two of each kind, one can always be taken out to be cleaned, and the other will do

the work meantime. If you read our weekly notes, you will find an article on this subject every now and then. There is no set rule for the use of lime. This must be used as the plants need it, and the grower must judge for himself, always experimenting on a small scale before applying it to the whole house, unless he is sure of what he is doing. Lime, however, is quite harmless, and if not applied directly after mulching or after using any kind of a fertilizer, will never harm the plants, if applied in a moderate dose. Air-slacked lime should be used for this purpose. The knots that appear on the plants should be cut off and burned at once. If they are badly affected pull them up and burn them, destroying even the soil. This disease is a bad one, similar to the black-knot on plums, and we call it tree cancer. Some experiment station, or the U. S. Department of Agriculture could tell you more about this, give its correct name, etc., as we have no laboratory with powerful microscopes to ascertain just what the disease is.

Sheep Manure

To growers who have not had very much experience and to experienced growers who have never used sheep manure for roses we would advise that they experiment with it before giving the whole place a coat of it. Sheep manure is very concentrated, and is especially rich in nitrogen; that is why we would not advise using it, before the turn of the year, except in rare cases. After that the plants will naturally grow more vigorously, and even if the plants do receive a little too much of it they will take no harm, for they will grow out of it, or at least will stand a little more show of doing so. In our various experiments we have found nothing better for Beauties than the old-fashioned cow manure, for this is well balanced for the purpose, and makes an excellent plant food. Teas and other roses we found less particular, and many substitutes were used. Sheep manure did well with Killarneys and other roses of that type, being given in moderate doses and applied very carefully. The lump manure, or the manure in its natural state we found was best turned into liquid, and thus applied. A little bonemeal added to this with a least touch of soot, and the same heated and applied warm to benches in winter, proved an excellent tonic for the plants, and benches thus treated bore flowers of a better color. The foliage was better colored as well. Later we hope to go into this question a little deeper, and will perhaps devote a whole page to the one subject. Cow manure is hard to get in many places, and if we can substitute the sheep manure, it would be a relief to a good many growers.

Soot

A little soot applied to the benches when the buds are just about to show color will be a wonderful help to put a little extra pink to the roses of that color. This applies to the red roses as well, and the only thing to do is to remember that too much of the soot might prove harmful to the plants—the soot itself to the roots, and the smell of it to the leaves. Apply just enough of it to

blacken the benches a little, and if the same benches have had a dose of lime recently, then do not apply any at all until after the danger of the lime freeing the ammonia in the soot is past; in other words, postpone the application until the lime loses so much of its strength that it will be practically lifeless. The same may be said of bonemeal, for the latter contains quite a little lime in one form or another, although this of course is nowhere near so strong as the lime itself. Four or five days after bonemeal is used it is safe to use soot, and ten or twelve days after lime is used, if the latter has been watered in well.

Storing Manure

The cold weather will soon be here, and if the manure is left outside exposed to the wind, frost and rain, it will not only lose a good deal of its fertility, but will freeze solid, and it will be a very hard job for some one to dig it when it is wanted. If there are no buildings where manure can be stored, then heap it up nicely and cover it over with a good thick coat of leaves or straw. It will keep the frost out, and a good deal of the water, although not all of it. Avoid mixing soil with the manure, as this is not wanted in the mulch until after spring starts. It is well, however, to put a nice lot of sod under the manure heap, as this will absorb all the leachings, and then when spring comes and the plants are real hungry, a mulch of this will do wonders if applied at the right time. Avoid using coarse manure. It is a nuisance, to say the least, and greatly increases the cost of applying it to the benches. If it can be done, see the farmers who sell it to you, and have them feed the cattle with cut roughage and have them cut the bedding up as well. It will be just as useful, and the cost of cutting will be more than offset by the saving in handling later.

Potting Soil

This should be stored very similar to the manure, but try to get this under cover so that it will not be so wet when it is wanted. Some soils take an awful long time to dry out in the winter, and it will save much labor to have the soil dry in the first place. The old heaps that were not used for filling in will be the best kind of material to be used, and, if the soil is cut down well, it will run pretty evenly. This is important, for it is very annoying to have one mess of soil full of manure and another lot without any. The only way to get it even is to take the heaps up carefully, so that there is not too much manure here and none at all there. If the soil is deficient in manure, it is a good time to add a little more, taking care to put it in nice strata, so that when it is taken to the potting bench it will be even.

The Coal Supply

Now before the nasty weather sets in, the wise florists will fill their coal bins up to the limit. If you have not enough room in the cellar, store the coal outside, and see if you cannot build an additional shed for coal storage. It should be near at hand for it is not very pleasant or healthy for the night fireman to wheel his coal from a distant place, when he is all wet with perspiration after cleaning his fires. Bad roads will come with bad weather, and it is good to have an ample supply of the black diamonds on hand. Then too the cars are sometimes scarce, and a coal famine will result. The

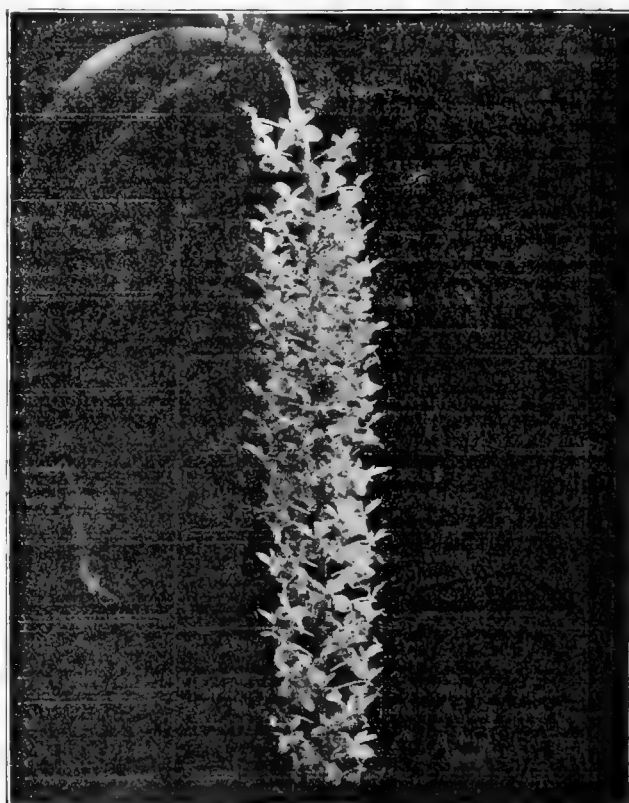
people will worry and kick themselves for not having their bins full of coal. Better fill them up.

Electric Lights

These cost so little that it is really surprising to see how many places are not lighted with electricity, in the important buildings at least. Cellars should have lights; same with packing rooms. There are a great many things that can be done well at night, if there is light, and we are sure it will pay any place to have lights installed.

For December 5th.—Lining Boxes; Heavy Wrapping Paper; Twine for Tying; Wood for Propagation; Tying Teas; Dead Leaves on Benches.

Saccolabium giganteum



A lovely East Indian orchid which always adds grace to any exhibition group and its handsome deliciously fragrant racemes of amethyst-tipped and spotted blooms never fail to arouse interest and admiration. It is an easy bloomer thriving in abundant light, and deserves a place in every collection.

South African Harrisii Lilies

Lily growers will be greatly interested in the picture which serves as our cover illustration this week, for the use of which we are indebted to R. M. Ward of "Horse-Shoe Brand" fame. The flowers illustrated were grown by F. A. Danker, Albany, N. Y., from bulbs produced in South Africa. As is well-known the seasons in South Africa are reversed, so that these bulbs are ripened and dug in February and arrive here in April. The flowers shown were cut in September from fresh bulbs so received and they thus take the place of cold storage lilies for fall and Christmas blooming.

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CONTENTS

Page

COVER ILLUSTRATION—South African Harrisii Lilies	
NOTES ON CULTURE OF FLORISTS' STOCK—Al-lamandas—Care of Carnations—Care of Gardenias—Propagating Crotons—Rhododendrons—Preparing Ground for Asters—John J. M. Farrell.....	753
ROSE GROWING UNDER GLASS: Trouble With Mrs. Aaron Ward—Sheep Manure—Soot—Storing Manure—Potting Soil—The Coal Supply—Electric Lights—Arthur C. Ruzicka.....	754-755
SACCOLABIUM GIGANTEUM—Illustrated.....	755
SOUTH AFRICAN HARRISII LILIES.....	755
ARNOLD ARBORETUM—Bulletin No. 63.....	757
CLUBS AND SOCIETIES—American Rose Society—American Association of Nurserymen—Pacific Coast Horticultural Society—Chrysanthemum Society of America—Lancaster County Florists' Club.....	758
Gardeners' Convention—Notes.....	759
NEW DAHLIA ALBERT MANDA—Illustrated.....	759
SEED TRADE—Faulty Conclusions—Canners' Convention Matters—The Bean Situation—San Francisco Prospects—California Seed Notes.....	760
OF INTEREST TO RETAIL FLORISTS.....	764
Flowers by Telegraph—New Flower Stores.....	765
NEWS ITEMS FROM EVERYWHERE: Boston—San Francisco—Washington.....	766
OBITUARY—J. L. Fillow—Andrew Glorius.....	767
BRITISH HORTICULTURE—W. H. Adsett.....	767
FLOWER MARKET REPORTS: Boston, Chicago, New York, Philadelphia, San Francisco.....	769
St. Louis, Washington.....	771
MISCELLANEOUS: A Great Holiday Display.....	759
Catalogues Received—Publications Received.....	762
News Notes.....	762
Accident to Thos. F. Galvin.....	764
Visitors' Register.....	766
Where are the Flower Buyers?.....	767
Decorative Planting at the Panama-Pacific.....	767
Little Benny on Flowers.....	771
Mites on Mushrooms.....	771
Ginkgo From Seed.....	771
Fruit-Bearing Shrubs to Attract Desirable Birds... ..	776
The Shaw Banquet.....	776
Greenhouses Building or Contemplated.....	776
Fires.....	776

travel during the past summer was a disastrous blow to the florist business, felt most severely, of course, by the seaport florists but affecting the trade generally to a considerable extent. Nobody whined about it and it was accepted philosophically because it was realized that it was our share of the indirect burden resulting from the war. The ban on theatre flowers comes, then, at a very bad time and is all the more grievous because it seems oppressive and uncalled for. The flower business is pre-eminently one of the arts of peace. Its influence is humanizing to a degree attained by but few commercial avocations. As now established and conducted it represents large investments of capital and provides refined employment for tens of thousands of people. The influence of their work and their products is "all to the good" and they should not be molested. It is unfortunate for the nurseryman and the florist and, in some respects, the seedsman, that so much persistent antagonism against their calling is continually cropping up. We are inclined to think that much of the arrogant interference and tyranny which the florist has been called upon to combat up to the present time is largely due to his own supineness. His national society might be made his best defensive weapon against the meddling of politicians, priests and others having a little authority but the more he needs its help the less he seems disposed to use it.

An important lawsuit

A case now before the court in New Jersey, the outcome of which will be of interest to florists and nurserymen whose greenhouses or plantations are located along a railroad right-of-way, is that of W. A. Manda, Inc., against the D. L. & W. R. R. The railroad company is elevating its tracks through South Orange, which were formerly on the natural level, and in carrying out their plans have taken a wide strip of Mr. Manda's hardy plant gardens adjoining the railroad for a distance of over one thousand feet. This tract, originally valueless for planting had been overlaid by Mr. Manda to an average depth of nearly three feet with highly enriched loam and was devoted to the intensive culture of herbaceous perennials, fine garden shrubbery and rare evergreens. Mr. Manda's claim against the D. L. & W. R. R. runs into a large figure, covering not only the value of the plants taken with the land but of the compost in which they were growing; also the damages to his establishment as a whole, as well as to the plantations contiguous to the new embankment and the resultant injury to material in the greenhouses and in the outside beds from the interference with light and air and the descent of noxious fumes and gasses from the locomotives. Such prospective damages are difficult to show in advance and, being largely conjecture, are inadmissible as evidence in any court. Yet to anyone with an intimate knowledge of plant life and the essential requirements of a commercial enterprise such as Mr. Manda has established it is manifest beyond any possibility of doubt that a serious and permanent injury will be inflicted. On this broader phase of the question, as we have said, no practical basis of compensation is possible, so we are all the more anxious to see Mr. Manda win out in full on such specific claims for redress as, under the circumstances, it has been possible for him to formulate and present in acceptable legal form. When this litigation has been finally settled the decisions arrived at will no doubt furnish some data of pertinent interest and value.

Now that the real flower-buying season has started in we are wondering who will throw the next brick. The last one we heard came from the Metropolitan Opera House in New York when the opera season opened last week, in an edict prohibiting the passing of flowers over the footlights to the performers. The cessation of steamer

ARNOLD ARBORETUM BULLETIN
OF POPULAR INFORMATION. NO. 63.

In spite of the severity of the past winter and the injury which it caused, and of the drought of September and October which has been of exceptional length, the Arboretum on the whole does not look bad, and for lovers of plants there is much of interest to be seen here this year in the early weeks of November. The conifers, with few exceptions are in good condition, although the leading shoots of a few species have been destroyed by a borer, the White Pine Weevil (*Pissodes strobi*). The species which are injured by this pest nearly every year in the Arboretum are the Himalayan White Pine (*Pinus excelsa*), the White Pine of western China (*Pinus Armandi*), the Oriental Spruce (*Picea orientalis*), and the Balkan Spruce (*Picea omorika*). The Balkan Spruce is the last European tree brought into cultivation; it is a beautiful, fast-growing and perfectly hardy tree which on the mountains of southwestern Europe sometimes grows to a large size and is highly valued as a timber tree. In this country, or at least in the Arboretum, it does not promise to become valuable as an ornamental tree unless the ravages of the White Pine Weevil can be stopped. There is no indication yet that many of the new Chinese conifers, especially the Pines and Spruces, will not flourish in this climate. The Larches are perhaps less promising, and the Firs, although some of them may prove hardy, grow badly in the nursery and do not give promise of much value here.

A few of the conifers in the Pinetum which are particularly interesting just now are the Colorado White Fir (*Abies concolor*), the Japanese *Abies brachyphylla* and *A. homolepis*, the Carolina Hemlock (*Tsuga caroliniana*), and three Japanese Pines, *Pinus parviflora*, *P. Thunbergii*, and *P. densiflora*. There are good plants of a dwarf form of the last in the collection of dwarf conifers to which attention is called. This dwarf is a common plant in Japanese gardens and should be better known in this country, for it is one of the handsomest of all dwarf conifers among which are many decorative garden plants. Among other conifers which should be studied at this time are Engelmann's Spruce (*Picea Engelmannii*), the Colorado form of the Douglas Fir (*Pseudotsuga mucronata*), the Siberian Spruce (*Picea obovata*), the western White Pine (*Pinus monticola*), the different forms of the Black Pine of Europe (*Pinus nigra*, *laricio*, etc.), and some of the eastern North American Pines, notably *Pinus resinosa*, *P. Virginiana*, and *P. Banksiana*.

The few broad-leaved evergreens which can be grown successfully in this climate are in good condition, and Laurels (*Kalmia*) and all Rhododendrons now promise abundant flowers for next year. The evergreen Hollies are beautiful now. *Ilex opaca* is covered with its large red berries and is interesting because it is the only broad-leaved evergreen tree which is hardy in the Arboretum. Although less beautiful than the European Holly with its lustrous leaves, it should be more often seen in eastern American collections in which north of Washington the European tree is not hardy.

The native Inkberry (*Ilex glabra*) is one of the most valuable of the evergreen shrubs which can be grown in this climate. It is a round-topped plant, occasionally five or six feet tall, and is very common in the neighborhood of the coast from New England to Texas. As an ornamental plant it is chiefly valuable for its small shining leaves which nearly completely hide the small black fruits which remain on the branches during the winter. Only one other Holly with evergreen leaves has proved hardy in the Arboretum. This is the Japanese *Ilex crenata* which is a taller growing and narrower plant than *Ilex glabra*, with darker green leaves and larger black fruits.

Several shrubs are more beautiful now than at any other season of the year, especially those with showy fruits which retain their leaves late into the autumn with little or no change of color. Among such plants not one perhaps is more beautiful than the common European Privet (*Ligustrum vulgare*) which has been cultivated for centuries and has become naturalized in the eastern United States. This plant bears at the ends of the branches large clusters of shining black berries which now make a fine contrast with the dark green leaves. The European Privets are planted with a number of Asiatic deciduous-leaved species, to all of which they are superior as decorative plants at this season of the year.

There are few more beautiful shrubs in the Arboretum at this time than the variety (var. *podocarpa*) of the eastern Asiatic *Lonicera Maackii* which was discovered by Wilson in western China, for its leaves are still green and perfectly fresh, and its branches are covered with bright red fruits. This is a large, vigorous, fast-growing, and perfectly hardy shrub with wide-spreading branches and requires a good deal of space in which to show its real beauty. From the northern *Lonicera Maackii*, a native of the Amoor region, the leaves have mostly fallen, but the erect growing branches are covered with scarlet fruits. The flowers of the northern plant are pure white and larger than those of any other Bush Honeysuckle.

Photinia is a genus of the Rose Family related to the Apples, with a few species of small Asiatic trees. Two of these plants, *Photinia villosa* and its variety *laevis*, thrive in the Arboretum and are covered with their small red fruits. These little trees succeed perfectly in this climate; their small white flowers are freely produced in spring in many-flowered clusters, and their fruit remains a long time on the branches, especially that of the variety, from which it sometimes does not entirely disappear until the end of winter. This plant has been largely planted in the Boston parks.

The trees and shrubs of Japan usually retain their leaves later than the related American species, and as the leaves of many Japanese plants take on brilliant colors in the autumn they are valuable for prolonging the beauty of the autumn garden. It is interesting to find that this late changing of color is common also among many of the plants of western China. This is particularly noticeable in the new species of *Cotoneaster* discovered by Wilson. The leaves of nearly all these plants are still perfectly green, and probably by the middle of November

they will be bright scarlet, or in some species scarlet and orange. These plants have late ripening, red or black fruits which greatly add to their beauty, and among them are certainly some of the most valuable shrubs of recent introduction, and they deserve the attention of all lovers of hardy plants, especially *Cotoneaster divaricata*, *C. foveolata* and *C. Dielsiana*, the leaves of which turn brilliant colors, and the different forms of *C. horizontalis*, low shrubs with wide-spreading nearly prostrate branches. These have small lustrous leaves which in this climate do not fall before Christmas, and small red berries. No shrubs are better suited for the decoration of the rock garden.

Among the American Hawthorns which show their greatest beauty in November may be mentioned *Crataegus cordata*, *C. nitida* and *C. persiciens*. The first of these plants, the so-called Washington Thorn, is a narrow, slender tree, which sometimes attains the height of twenty or thirty feet. The flowers are small, creamy white, and do not open here until nearly the middle of June, and the small, scarlet, shining fruits, which ripen late in October, remain on the trees without much change of color until the spring. As the fruit begins to show its bright color the small triangular leaves turn to shades of orange and scarlet. *Crataegus nitida* is a native of the bottom-lands of the Mississippi opposite the city of St. Louis; it is a large tree with slightly spreading pendulous branches forming a large, open, round-topped head. The leaves are narrow, long-pointed and very lustrous; the flowers are pure white, of medium size, and produced in numerous clusters which cover the upper side of the branches. The scarlet drooping fruit, which is also of medium size, ripens late just as the leaves turn orange and scarlet. This is one of the handsomest of the American Hawthorns and has grown to a large size in the Arboretum. *Crataegus persiciens* retains its leaves, which are now as green as they were in midsummer, after those of all other Hawthorns have fallen, and the crimson fruit remains on the branches until spring, making this tree in winter the most conspicuous of the deciduous-leaved plants hardy in New England. It resembles in the shape and in general appearance of the leaves some of the Cockspur Thorns of eastern North America. Raised many years ago at the Arboretum from seeds received from the Paris Museum, its native country is still unknown. The largest plant of this tree in the country and the type of the species can be seen among several large Hawthorns at the foot of the bank on the pathway near the Forest Hills entrance to the Arboretum, where it is now the only plant with perfectly green leaves.

The only shrub now in flower in the Arboretum is the Witch Hazel of the northern states (*Hamamelis virginica*) which is covered with its yellow flowers.

Leonard Sutton of the firm of Sutton & Sons, Reading, Eng., has been elected Mayor of the Borough of Reading. Mr. Sutton visited the United States four years ago on an inspection of the State Agricultural Colleges on behalf of the Reading University College.

CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY.

The executive committee of the American Rose Society held a meeting on Nov. 18th, at the office of Traendly & Schenck, New York City. Considerable business was transacted. Treasurer May reported that the permanent investment of \$3,000 for three guarantee mortgage certificates would be due on Jan. 15th. It was directed that the money be re-invested in guaranteed mortgage certificates, the interest thereon being 5 per cent. This security is legal New York Savings Bank investment.

The matter of fixing the time and place for the spring show was carefully gone over. Letters were received from Baltimore and Chicago, bearing on the matter. President Pierson had visited Chicago and had a conference with some of the leading florists, and it was moved that action for the present as to the time and place for the annual meeting and exhibition be deferred until later.

The Test Gardens at Washington and Cornell University, at Ithaca, N. Y., have been well gotten under way this season. Those at Hartford and Minneapolis were in prime condition. Vice-President Pyle brought up the desirability of general affiliation with local Rose Societies. To the members of the Syracuse Rose Society have been sent some 300 bulletins for 1913. Mr. Pyle had given an illustrated lecture on Roses to the Brookland, D. C., Society.

The list of roses as originated in America was a subject for consideration; the effort being to gather together as near a full list as can be done and make it a matter of official record; this has been under way for some two or three years. Last year the official list as entered with the Society of American Florists was tabulated and printed in the bulletin. To get out a more complete list, as a matter of historic data, it was moved that the committee on nomenclature be instructed to prepare and submit to the Executive Committee, a list of all roses of American origin.

The annual bulletin for 1913 was the largest edition of the Society's records ever issued. It is proposed this year to increase the number. The bulletin goes far and wide and will be ready about the first of the year 1915. Adjourned to meet second Monday in December.

B. HAMMOND, Secretary.
Beacon, N. Y.

AMERICAN ASSOCIATION OF NURSERYMEN.

We are now able to report that the Hotel Cadillac, Detroit, Mich., has been chosen by the committee on arrangements, Thomas I. Ilgenfritz and Secretary Hall, as convention headquarters for the fortieth anniversary of this Association. The accommodations for meetings, exhibits, committees, and for social purposes are unexcelled, and have been generously placed at our command by the management.

It will be our aim from time to time to keep members posted regarding

progress made in the development of all efforts to have the program, general arrangements and entertainment of the very highest quality. What we now ask of members is that they shall become so enthused that they will importune nurserymen who are at present in the cold to become members before the cold storage doors shut them up beyond the possibility of thawing. The convention of June 23-25, 1915, will go down in American Association history as a phenomenal event.

JOHN HALL, Secretary.
204 Chamber of Commerce Building, Rochester, N. Y.

PACIFIC COAST HORTICULTURAL SOCIETY.

The annual ball of the Pacific Coast Horticultural Society in San Francisco on the evening of Nov. 14, was the most successful event of the kind ever held, and great credit is due to Frank Thatcher, who had charge of the arrangements. About 350 people were present, and spent a most enjoyable evening.

Several matters of interest came up at the last regular meeting. Daniel MacRorie reported on his visit to the California Association of Nurserymen convention at San Diego, announcing its decision to convene in this city at the time of the S. A. F. convention next year. President H. Plath announced that he would shortly take up the appointment of the S. A. F. program committee to look after the preparations at this end. It was decided to organize a bowling club among the members, to compete at the S. A. F. convention for the Ebel trophy next year, Friday night being set as the time for practice. It was voted that the Pacific Coast Nurserymen's Association be invited to convene here at the time of the S. A. F. convention, and steps were taken toward organizing a local branch of the Ladies' Society of American Florists. Messrs. Gill, Pos and Hofinghoff being named as a committee to act in the matter. D. Raymond, chairman of the field day committee, reported an invitation from the MacRorie-McLaren Company for the Society to visit their plant at Beresford late in November, the date to be set later.

The bowling club has just been organized, holding its first trial game on the evening of Nov. 20 at Schroeder's alley on Turk street. The team includes Daniel MacRorie, H. Plath, M. Pos, R. McArthur, B. Meyer, Victor Podesta, D. Raymond and J. A. Axell.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Exhibited at Cincinnati, Nov. 14, by Elmer D. Smith & Co., Adrian, Mich., Tekonsha, bronze, job, Inc., Com. scale 81 points; ex. scale 85 points; Kewanee, light yellow bronze shadings. Jap. Inc., ex. scale 89 points.

Exhibited at Madison, N. J., Oct. 28, Chas. H. Totty, Madison, N. J., B. Pulling, yellow, Jap. reflex, ex. scale 93 points.

Exhibited at Chicago, Nov. 9, by

Mount Greenwood, Morgan Park, Ill., Mount Greenwood, pink, Jap. Inc., Com. scale 82 points.

CHAS. W. JOHNSON, Sec'y.

LANCASTER COUNTY FLORISTS CLUB.

Our visiting committee planned a trip for us to points not easily reached by trolley, and a party of 35 with eight autos was the result.

The first point visited was that of Elmer Weaver where we found carnations better than they have been at this place for the past three years. At Charles Weaver's the sweet peas were just getting into action and the calendulas and mignonette were in the highth of vigor and the out enormous. At Harry Weaver's, in addition to carnations, was a house of tomatoes in full crop and one of stocks coming on for later blooming. At Jacob Weaver's in addition to the usual carnations there was a batch of seedlings among which was a very promising yellow and a fine salmon pink. At Elias Lefever's we were treated to the best lot of Gloriosa and by all odds the finest house of Pink Delight we ever saw, a peculiarity of this house being the fact that the flowering stems were full of good cuttings, an unusual condition with this variety. At John Shreiner's we found the usual stock of market pot plants along with cut flowers. By market here is meant a city market and that this end of the business pays a reasonable profit is shown by the fact that Mr. Shreiner is continually adding to his place and his personal comforts, even to the lighting of his greenhouses by acetylene gas. At A. W. Denlinger's we found several new houses of up-to-date type and the stock accordingly. At Enos K. Lefever's, among the chrysanthemums was a beautiful pink that will be just about right for Thanksgiving and could even be held until Christmas. Just what the name was no one seemed to know but one party made a guess that it was "Patti". Wade Galey's was the last place visited and here we found as at all of the places touched, excellent carnations as the principal product. Every establishment has one or more modern houses and others will be added as the older ones get worn out so that eventually Lancaster County will be up-to-date in every way and greenhouse builders are keeping right with us to see that we do not fall behind, as witnessed by the fact that both Lord & Burnham Co. and the King Construction Co. were represented on this trip by Dennis T. Connor and T. J. Nolan, respectively.

At the regular meeting in the evening the Flower Show committee reported having had a successful show from every point of view and having a balance of some \$375.00 over and above all expenses. A. K. Rohrer read a paper giving a list of the most profitable chrysanthemums to grow for the various seasons, which was very instructive as the Rohrers do not hesitate to cut out any variety that does not come up to standard. A committee was appointed to arrange

for a stag social in January and an attempt made to put life into the Co-operative Buying Committee which, through lack of enthusiasm on the part of the members had about ceased operations.

By a vote of forty-three to two, smoking will be cut out in the future during the business sessions of the club. Next meeting, Dec. 17th.

ALBERT M. HERR.

GARDENERS' CONVENTION.

The Committee on Arrangements of the convention of the National Association of Gardeners reports that the annual banquet of the Association will be held in Horticultural Hall, Philadelphia, Pa., on Wednesday evening, December 9, (following the annual meeting which will occur in the afternoon in the same hall), to which ladies and all friends of the members will be welcome. Those intending to attend the banquet will please advise David Rust, Horticultural Hall, Philadelphia, Pa., the number of tickets they desire to have reserved. All reservations must be made in advance of the dinner.

The committee also invites exhibits of novelties, specimen plants and cut flowers from both private and commercial growers. The Association's certificate of merit will be awarded to meritorious exhibits of the newer varieties. Exhibits can be sent, (express prepaid) to the National Association of Gardeners, care David Rust, Horticultural Hall, Philadelphia, Pa., to arrive on Wednesday morning, December 9.

M. C. EBEL Sec'y.

CLUB AND SOCIETY NOTES.

At the chrysanthemum show held last week at Syracuse, N. Y., the florists decided to organize, and will be known as the Syracuse Florists' Club. The officers are Henry Youell, president; L. E. Mulhauser, secretary; James Sullivan, treasurer.

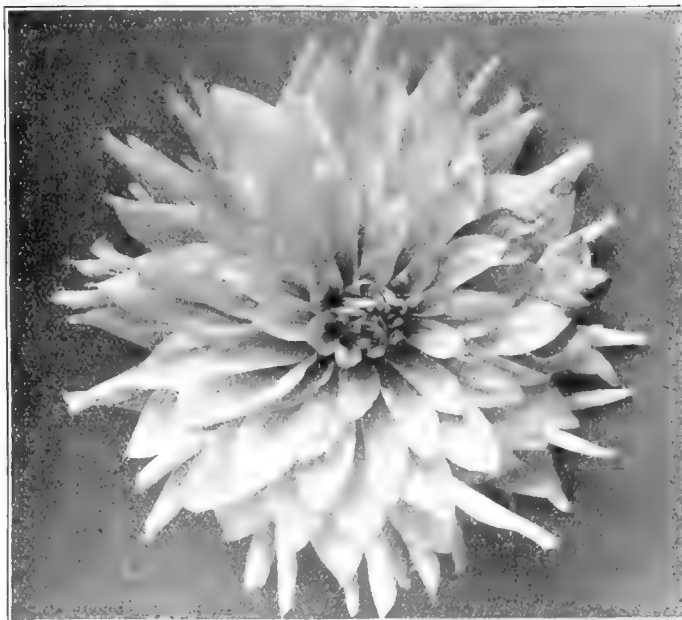
A free illustrated lecture under the auspices of the Newport Garden Association and Horticultural Society was given by J. Otto Thilow, of Philadelphia, on Tuesday evening, November 24, in Music Hall, Newport, R. I. Mr. Thilow's subject was the Yellowstone National Park.

At the adjourned meeting on Nov. 19, of the Chicago Florists' Club, nomination of officers was the special order of business. The list as nominated is as follows: President, W. J. Keimel; vice-president, James Morton; secretary, T. E. Waters, Michael Fink, Guy W. French; treasurer, Paul Klingsporn; trustee, C. L. Washburn. The election will take place at the regular meeting in December.

J. B. FOLEY, Sec'y.

The monthly meeting of the Nassau County Horticultural Society was held at Glen Cove, N. Y., on Nov. 11. J. W. Everitt and F. Honeyman won in the chrysanthemum competition. President Gant's prizes for table decorations were won, 1st by Robert Jones, assistant on the Percy Chubb estate; 2nd, Chas. Parr of the John T. Pratt estate; 3rd, Arthur Cook of the H. L. Pratt estate. F. Honeyman got a cultural certificate for Radiance rose. Henry Gaut, certificate of merit for seedling chrysanthemums. A. Fournier showed new

NEW DAHLIA ALBERT MANDA.



The new dahlia herewith illustrated is one of a set of seedlings raised by W. A. Manda from crosses of Imperialis and Juarezi. The plant is a

rampant grower and the flower is of enormous size, creamy white with a flush of pink. It has been exhibited at several of the fall shows this season.

French chrysanthemums. The silver cups won at the Fall Show were presented to the winners. A cup for the next fall show contributed by Mrs. W. D. Guthrie and cash prizes from John Sheepers were accepted with thanks. After the meeting there was a very enjoyable smoker. Next meeting will be election of officers, 2.30 p. m.

The forty-eighth annual meeting of the Minnesota State Horticultural Society will be held in the Auditorium, Main Building, at University Farm, St. Anthony Park, Minn., on Tuesday, Wednesday, Thursday, Friday, December 1, 2, 3, 4.

The Minnesota Garden Flower Society, the Plant Breeders' Auxiliary, the Woman's Auxiliary, the Minnesota State Florists' Society and the Gardeners' Associations of St. Paul and Minneapolis meet and will be found to have some part on the program.

On Thursday evening at 7 o'clock the annual society banquet will be held at the State Agricultural College in the main dining hall.

There will be an exhibition of flowers and vegetables. W. H. Bofford, 1221 Washington avenue No. will be superintendent of the former, and E. O. Ballard, 2700 Girard avenue No. of the latter.

A GREAT HOLIDAY SHOW.

In order to realize the great improvement which has been made in azalea varieties in recent years one must visit such establishments as the Julius Roehrs Co.'s place at Rutherford, N. J., when the azaleas are blooming. The advancement, which has been accomplished by European horticulturists under the incentive of the tremendous consumption and demand for these showy plants in this country and elsewhere, is especially evident in the evolution of early blooming sorts and

in the production of new tints from which have been eliminated the magenta tones so prevalent in the older kinds. Those glorious light pink varieties Daybreak, Blushing Bride and Roosevelt are to be seen at Roehrs' now in abundance and they surely live up to their names. There is one whole house of Mme. Petrick Superba, a greatly improved form of that much liked variety. Brilliantia Belgica and Fred Sander may be named among the most striking of the dark reds, the latter blooming naturally in early November, a richly colored and very symmetrical double flower.

Ten houses of the best ardisias we have ever seen give evidence that florists who make a specialty of this prime Christmas favorite will be able to set before their customers acceptable plants loaded with richly colored fruit. In cyclamens, too, the stock is superb—6,000 plants in profuse bloom and representing the finest improved type of German seed and including that charming variety Glory of Wandsbek. There is a whole range of houses filled exclusively with Begonias Lorraine and Cincinnati which at the present time present a picture which once seen will never be forgotten. Camellias full fill two houses and their charm is irresistible. Certainly, any florist who can find opportunity to go and visit this notable establishment now in its holiday exuberance will enjoy a glorious treat.

DURING RECESS.

N. Y. Florists' Bowling Club. Scores Nov. 20, 1914.

J. Donaldson	167	172	...
F. Nugent	151	163	...
J. Bernick	178	200	166
C. W. Scott	152	136	160
P. Johnson	125	178	151
J. Young	131	159	147
H. C. Riedel	141	148	156
A. Koenda	152	158	167
A. L. Gutman	146	152	154
R. J. Irwin	144	152	146
A. Schauer	131	129	148
F. M. ...	191	155	174

THE BEST EVER

That's what everybody exclaims on seeing the splendid stock now ready for shipment in our plant houses

Cyclamen Are Superb. Lorraine and Cinninati Begonias Can't Be Beaten Anywhere. Ardisias Have Never Been So Fine; Loaded With Berries Already Well Colored Up.

Order Your Holiday Stock Now and Have It Shipped Before Freezing Weather Sets In.
Prices per doz., per 100, per 1000, on application.

JULIUS ROEHRS CO., Rutherford, N. J.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

Faulty Conclusions.

The Country Gentlemen of Oct. 31st contained an article on the European seed situation which shows that the writer went to considerable pains to fortify his position with statistics, but like most persons who undertake to treat a matter they are not familiar with, this writer's conclusions are in many instances misleading.

We have pointed out in HORTICULTURE that the seed situation another year is liable to be embarrassing to dealers in this country, especially on biennials, but we have not looked for any very serious difficulty in meeting all ordinary demands the coming season. If one were to take the conclusions of the writer of the article in The Country Gentleman as facts, it would certainly be cause for one of anxiety on the part of the American seed trade, but ways and means sometimes quite unexpected have been found to meet nearly all situations confronting the trade from time to time, and we believe they will get by the present crisis without any great demoralization. We expect to see prices very materially higher but not so high as to constitute a very serious hardship, and should the European war continue for two or three years this country would be in position to supply all standard and necessary varieties of seeds, especially in the vegetable line. There are a few varieties of flower seeds that require so much patience, care and experience to produce successfully that we have doubts whether any of our growers would be quite equal to meet the demand. None of these matters are necessities, and can readily be dispensed with. Only those seedsmen who make a specialty of dealing in this class of goods would feel the loss seriously.

Canners' Convention Matters.

We are advised that at a recent meeting of the Board of Directors of the Canning Machinery and Supplies Association, it was decided by resolution of the Board to prohibit the giving away of souvenirs at Machinery Hall during the period of the annual Canners' Convention. This prohibition applies to only one year and will be open to discussion before the Convention of 1916 is held. Very few of the seed trade will be affected by this decision and we imagine it will meet with the general approval. A test vote was taken of the members, and those who favored the giving of souvenirs proved a very small percentage of the total membership and it is believed that after one year's trial that this small number will be converts to the present decision. There were many protests against the adoption of the uniform booth but we are told that after one year's trial not one of the exhibitors would care to go back to the old style. It is impossible to adopt any new or radical change that will be unanimously approved, but if the proposed change is practical and beneficial as a whole, it will generally commend itself even to the original objectors.

The Bean Situation.

About the only important crop concerning which there is any doubt is beans. We have once or twice called attention to the wide differences in the percentages which the various growers estimated they would be able to deliver, and as the situation develops it turns out much as we expected, that those who estimated high percentages have been compelled to lower their figures, not once but several times, many dropping fully 50 per cent. from the original estimates. Undoubtedly this will satisfy even the doubters that beans are really very scarce, particularly wax varieties, the stringless green-pods and the Black Valentine. This latter variety we are informed has been quoted recently as high as \$7.00 per bushel and it is thought that this is not yet the top of the market. Several of the wax varieties have been quoted at even higher figures and are not procurable excepting in very limited quantities.

San Francisco's Prospects.

We have been endeavoring to learn the sentiment of the trade with refer-

ence to holding the next Convention of the American Seed Association in California. While the information we have is not conclusive, it shows that the west is pronouncedly in favor of California, while the east is about equally divided. The executive committee which has power to decide the matter does not meet until sometime in January and it is not known how the members feel individually about going to California, though it is believed the majority of the committee favor it. Some fears have been expressed of extortions being practiced by hotels in San Francisco (as the convention would undoubtedly be held there) but we believe these fears are not well founded. President Morse will, no doubt, make all necessary arrangements to locate the members at some first-class hotel where the rates will be about normal and most certainly he would not tolerate anything approaching extortion; therefore we believe the members may divest themselves of all fears in this respect.

California Seed Notes.

California seed dealers report a strong demand from the east for string bean seed. The crop here has been light, and as they have little to offer, high prices prevail. Red onion seed is also scarce and high. Most of the bulb houses are getting well cleaned up on Dutch bulbs, and say the business in this line has been very satisfactory. Stock is now coming in of some Japanese iris, Japanese lilies, etc. These are meeting with a good demand, and it is expected that practically everything will be cleaned up within another month. Planting has been quite heavy, for private gardens and public parks, as well as by the market nurseries. Some of the nursery firms across the Bay have made arrangements with many owners of

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RED DEVIL GLASS CUTTER No. 3 in 1

Has 3 wheels in the head, cutting 3 grades of glass—thin, medium and thick, with equal facility. Comes with a kid case. Sent on receipt of 12 cents stamps. Booklet on request.

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THE HOME OF WINTER-FLOWERING BEGONIAS

Now in bloom ready for Thanksgiving, Begonia Glory of Cincinnati, Begonia Melior, Cyclamen giganteum in best strain, choice well-flowered plants. Quality is our aim. Price list on application.

J. A. PETERSON & SONS, WESTWOOD,
CINCINNATI, OHIO

JAPANESE Bamboo Canes

Just the thing for
Staking Plants and
Small Trees

Per Bundle

6 feet (1000 to bundle).....	\$6.00
6 feet (2000 to bundle).....	11.00
8 feet (1000 to bundle).....	9.00
10 feet (500 to bundle).....	6.00
12 feet (100 to bundle).....	4.00
14 feet (100 to bundle).....	5.00
16 feet (100 to bundle).....	7.00

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30 and 32 Barclay Street
NEW YORK

OLD TOWN NURSERIES
35,000 BERBERIS THUNBERGII

All Sizes. Write for Prices

M. P. Haendler, Prop. SO. NATICK,
MASS.

**Large EVERGREENS and
DECIDUOUS TREES for sale**

Write for list. Digging EVERGREENS Now.

THE F. E. CONINE NURSERY CO.
STRATFORD, CONN.

vacant lots in Berkeley to plant such areas with bulbs, paying a rental about sufficient to cover the taxes in return for the privilege of taking the cut flowers, for which they have a market. It is said that some Oakland people are also getting interested in this proposition, though conditions in Berkeley make it especially attractive for such work. Many of these lots are now being planted.

Cold-Storage Lily of the Valley

Owing to war conditions, good stock is scarce. Secure your requirements for holiday forcing at once. Finest selected pips, packed in cases of 250, 500 and 1000 each.

AZALEAS

We have just received a large importation of Azaleas in splendid condition, which we offer for immediate delivery and as long as unsold at no advance over prices of previous years.

We offer the leading varieties,—Mme. Van der Cruyssen, Vervaeana, Simon Mardner, Empress of India, Mme. Jos. Vervae, Ernst Eckharte, Niobe, Vervaeana Alba, etc., strong plants:—

12 to 14 inches in diameter.....	\$9.00 per dozen,	\$60.00 per 100
14 to 16 " " " " " " " " " "	12.00 " "	75.00 " "
16 to 18 " " " " " " " " " "	18.00 " "	125.00 " "
18 to 20 " " " " " " " " " "	24.00 " "	
20 to 22 " " " " " " " " " "	36.00 " "	
Dwarf or Miniature: Firefly or Hexe, and Chas. Encke.....	4.80 " "	35.00 " "

F. R. PIERSON, TARRYTOWN,
NEW YORK

ARE YOUR PLANTS MOVING?

If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. *Cash Ready.*

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GIMBEL'S, New York City

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS
AZALEAS, CONIFERS, CLEMATIS
H. P. ROSES, SHRUBS, AND HER-
BACEOUS PLANTS.

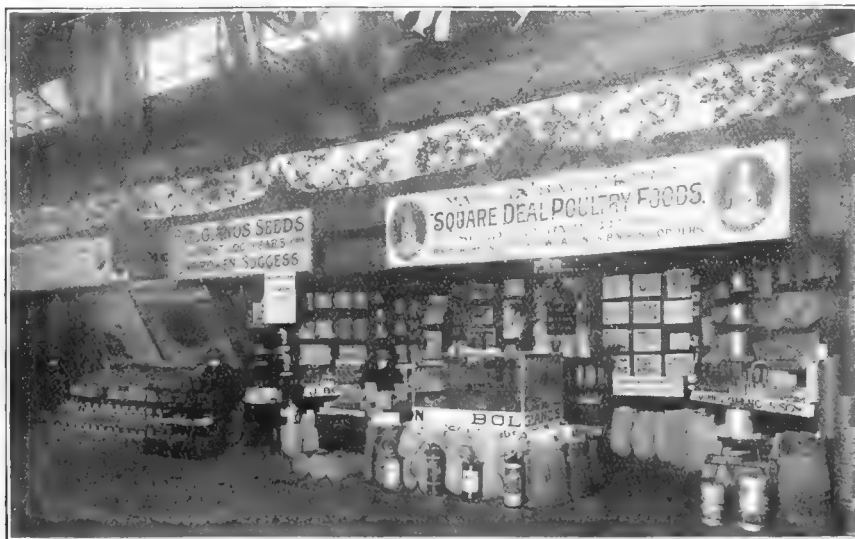
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BOBBINK & ATKINS

Nurserymen, Florists
and Planters

RUTHERFORD, NEW JERSEY

EXHIBIT OF J. BOLGIANO & SON



At Maryland Horticultural Society Exhibition in Baltimore, November 16 to 21.

SEED TRADE NOTES.

For the week ending November 14, imports into the port of New York were: Fertilizers, \$5,354; clover seed, \$1,193; grass seed, \$2,253; palm seed, \$2,751; sugar beet, \$24,000; trees and plants, \$32,126.

Charles J. Bolgiano, the proprietor of the seed establishment of J. Bolgiano & Son, has been critically ill at the Union Protestant Infirmary, Baltimore, Md., since Nov. 8th, at which time he was operated on for appendicitis by Prof. R. H. Follis of the Johns Hopkins University, assisted by Dr. Austin F. Robinson. While Mr. Bolgiano's condition was for a time extremely critical, there being grave danger of peritonitis setting in, he has during the past few days shown a marked improvement and his speedy recovery is now looked for.

CATALOGUES RECEIVED.

Henry A. Dreer, Philadelphia, Pa.—Dreer's Bird Book. An illustrated list of bird houses, feeders, etc., to which has been added some interesting notes on the more useful of our common wild birds.

John Lewis Childs, Flowerfield, N. Y.—Trade Price List of Choice Gladioli and other Summer-Flowering Bulbs and Plants. No less than thirty-three of the finer varieties of gladioli are illustrated in this very complete descriptive list of this favorite summer garden flower. Prices by dozen, hundred or thousand are quoted.

Sunnyside Gladiolus Garden, L. Merton Gage, proprietor, Natick, Mass. Gladiolus Price List for 1915. This is the first catalogue sent out by Mr. Gage since his establishment in Natick. Naturally he devotes particular attention to the greatly improved varieties of recent years, in the introduction of which he has taken an active part. Any gladiolus literature that the sunny secretary of the American Gladiolus Society puts forth will always find eager readers.

PUBLICATIONS RECEIVED.

The annual report of the Special Park Commission of the City of Chicago for 1913 has recently come to hand, and it will be found a veritable gold mine of statistics and information for all those who are interested in the great work of providing recreation, rest and healthy surroundings for the people, old and young, of a great community. The report is a 70-page pamphlet richly embellished with fine engravings. A complete directory of all parks, playgrounds, bathing beaches, squares and comfort stations in Chicago is included in the contents.

The fifty-fourth annual report of the Board of Park Commissioners of the City of Hartford, Conn., in keeping with the reports of preceding years, is a splendid publication typographically and in its contents. It is replete with useful information, not the least of which is a list giving the botanical and common name of all the trees and shrubs growing in the various parks of Hartford. A portrait of the late William Moore, park commissioner from 1906 until his death, January 31, 1914, forms an appropriate frontispiece for the book. The sixth annual report of the public cemeteries of the city is included.

The tenth annual report of the Canadian Seed Growers' Association, covering the year ending March 31, 1914, has been issued. It comprises 122 pages, Part 1 being the minutes of the annual meeting at Ottawa, March 5, 1914, and Part 2 the addresses and communications. The latter are very valuable scientifically and practically and give some idea of the attention and study being given to the improvement of agricultural seeds and the development of high grade strains in Canada.

NEWS NOTES.

Kansas City, Mo.—Willard Bush, Sr., has sold his greenhouse property, 2215 Jackson avenue, to John R. Hanley.

Philadelphia, Pa.—L. P. Vollers has purchased the business of Robert Kift, 1725 Chestnut street, and will do business under the name of Vollers' House of Flowers.

GLADIOLUS for FORCING

A money maker for the Florist; easy to grow, requiring little attention; a carnation house temperature suiting them.

MODESTY , Lavender,	100	1000
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Paper Whites, Fancy, \$8.00 per 1000

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"Renowned Sweet Pea Specialists"

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FLOWERS delivered promptly in Buffalo, Niagara Falls, East Aurora, Lockport, Tonawanda, Lancaster and other Western New York cities and towns.



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Of Interest to Retail Florists

In trying to become artistic and in attempting to show the public his skill in the use and arrangement of flowers, the ordinary florist often forgets to become a flower merchant. Not all florists consider the customary business methods as necessary to their work. But any man who thinks he can be successful in the conduct of any retail business without a great deal of hard work and without going after business, instead of waiting for it to come to him, without adopting modern methods, such as advertising, and, in a sense, scientific salesmanship, takes unwise chances. The easy, indifferent way in which so many successfully conducted the retail florist business in the past will hardly succeed today.

Retail florists spring up everywhere under present conditions. New enterprises come and before we realize it they are gone, sometimes with a large part of their debts unpaid. It is an easy trade for the inexperienced, capital-less man to enter. Growers and wholesalers stretch out their wares to him and plead with him, "Buy our goods; we don't care when you pay." Until the existing evil of long, and in a majority of cases, foolhardy credits is abandoned, losses from bankruptcies and failures will continue to pile up.

Put your business on a better business basis and you will make a more efficient business of your business. Get the "efficiency bug." Few florists can state definitely the outgo necessary to produce their income. We like to use the term "merchant" in preference to storekeeper, as "merchant" carries with it the idea of the business builder. The business builder is a general; he plans at least a year ahead, if not for a lifetime. He endeavors to build his business on the concrete foundations of confidence, cemented with the cement of satisfaction. He realizes that every customer or patron is but a link in a chain to innumerable other patrons. The florist who condemns the public for its reluctance to trade with him, should first consider whether there is not some justification for their attitude. If he does not get ahead as rapidly as he expected, it may be that he expected too much or that he tried too little. The man who thinks that he can continually accept favors and reap advantages at the hands of others without giving anything in return does not know what a sponge is. If it is an effort to be pleasant to customers, just remember that one is being paid good money just for making that effort. Don't make excuses for the things you are not doing—make good.

ACCIDENT TO THOMAS F. GALVIN.

Boston Park Commissioner Thomas F. Galvin is resting comfortably at his home, where he is recovering from the effects of a severe fall received last Saturday at Coolidge Corner, Brookline. Mr. Galvin while running for an electric car slipped and fell on the icy pavement. He received a bad scalp wound and was rendered unconscious. He also suffered from shock.

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SONS**

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ANDERSON service means fresh, sturdy
stock, and prompt deliveries in **BUFFALO,**
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Flowers by Telegraph

Leading Retail Florists Listed by
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here given will be promptly and prop-
erly filled and delivered.

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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 50th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
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New York—A. Warendorff, 1193 Broad-
way.
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Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
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St. Paul, Minn.—Holm & Olson, Inc.
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Tarrytown-on Hudson, N. Y.—F. R. Pier-
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F St., N. W.
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Worcester Mass.—Randall's Flower Shop,
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Brownsville, Pa.—Alpha Florists.
Manitowoc, Wis.—H. Levenhagen.
Manitowoc, Wis.—H. Rudolph, South
8th street.
Brooklyn, N. Y.—S. Masur, 256 Ful-
ton street.
Brooklyn, N. Y.—Charles Abrams, 22
Hoyt street.
Toledo, O.—The Sign of the Rose,
Madison street.
Chicago, Ill.—Kortz & Natorp, 121
W. Dearborn street.
Cleveland, O.—Mrs. L. C. Chott,
3611 Fleet avenue.
Boston, Mass.—James Petros, 240
Huntington avenue.
Oklahoma City, Okla.—Barteldes,
309 West Main street.
New York City—Massas Floral Com-
pany, 2558 Eighth avenue.
Pittsburgh, Pa.—Mrs. Littleton, op-
posite Minneapolis Club, after January
1st.
St. Louis, Mo.—Fred Foster, 7th and
Olive streets; Boardman Flower Shop,
6th street, near Robert street.
Chicago, Ill.—Miss Beulah Get-
zinger, 3262 Armitage avenue; John
Didier, North Clark street; Princeton
Florists, Princeton avenue and 59th
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RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 24

13 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Harry Sedar, who has been with Wax Bros. for the last five years, is now connected with Harry Quint.

Harry Levis and T. J. Gough of Watertown are progressing with their new dovetail sectional bench, for which patents are pending. They are negotiating with several construction firms for the sale of their rights.

The wholesale houses have been quite busy this week, especially the shipping departments. There seems to be no limit to the distance some of them are sending stock. Local trade has also taken a sudden turn for the better and the Thanksgiving business is expected to be about normal.

N. F. McCarthy & Co., report plant trade as being very good, the auction rooms providing an acceptable outlet for stock this season. It is hoped that a repetition of last year's craze for artificial materials will not occur. All the wholesale houses are receiving large advance orders for supplies.

There are indications of a full supply of roses this Christmas. Most of the local growers are pinching back their stock to a greater degree than last year in order to come in for the holidays. One big grower states that Beauties will be the only roses that may shorten up.

Galvin's Tremont street store windows are very attractive just now. We noted an artistic and tasteful display of cattleyas and cypripediums in baskets in one window, placed on a ground of light gray velvet. In the other window was an effective arrangement of orange trees and cybotiums.

The annual influx of pot plants is making itself felt to a marked degree. Cyclamens are finding a ready outlet. Azaleas and begonias are also coming into their own. Among those who have made extensive preparations to meet the demand for these two popular plants are A. Leuthy, W. W. Edgar Co., A. M. Davenport, Thomas Roland, The Mishawum Flower Co. and others. In a recent visit to the latter firm the writer noted a splendid lot of azaleas just arrived safely from abroad. Few local growers seem to have suffered losses or extreme delays in foreign shipments on account of the war.

CHICAGO.

The sweet peas which were so badly affected by the warm fall weather are now blooming again.

Ernest Oechslein is so far recovered from his recent severe automobile accident as to be able to visit his greenhouses.

A. L. Vaughan says that if he could contract for the growing of ten thousand Bonaffon chrysanthemums for Thanksgiving week, he would feel satisfied to see that day come. That is the variety which he depends upon for that time.

R. G. Kootz, manager for Marshall-Field's late venture into the cut flower business, has now opened a retail store at 121 N. Dearborn street. The new firm bears the name of Kootz & Natorp.

Poehlmann Bros. are now cutting gardenias and the stems measure as long as 12 and 14 inches. These houses of gardenias are among the latest of their ventures and they are pleased with the results.

The general air of an approaching holiday prevails in the downtown flower stores. The redecoration of the windows with blooming plants has given new life to the stores and even the appearance of business is a long step towards getting it.

Thanksgiving week finds the chrysanthemum plant season practically closed. Prices have averaged a little lower than usual this year, but the demand has been fair. The plantsmen as well as the cut-flower growers are, as ever, pleased to see the chrysanthemums come and equally pleased to see them go. In other plants cyclamen and begonias are in good supply. With the prospect of a shortage in azaleas early in the season, larger numbers of cyclamen were started and possibly had extra attention for the stock is unusually fine. Poinsettias are coloring nicely and have reached a good size. Heather has appeared and will soon be in good supply. Boston ferns have been unusually abundant all the fall and are offered at a low price to make room.

Two well-known growers of many years experience are preparing to launch into business for themselves in the spring. Guy French, president of the Chicago Florists' Club, who has had charge of the carnation houses at Poehlmann Bros.' big plant at Morton Grove for many years and Richard Salm who has a like position in the American Beauty houses, will take the new 70,000 feet range at Union Grove, Wis. This was built by Lord & Burnham Co. and was originally intended for the Meredith Flower & Vegetable Co., to supplement their place at Libertyville, but financial entanglements forced the new range on the market. It would be difficult to find two men who would start out better equipped with experience and their friends wish and expect for them, marked success.

SAN FRANCISCO.

The first consignment of plants and bulbs, consisting of 114 crates, for the three-acre Japanese garden at the Exposition, was received at the Exposition nursery Nov. 18.

Dan Lichtenstein, formerly with A. Figone's flower stand in the ferry building, is proprietor of the new Terminal Florist Shop, in a new building on the Embarcadero near the foot of Market street. The shop is a small one, but Mr. Lichtenstein expects to do a lively business with incoming tourists during the Exposition year.

B. M. Joseph's new shop on Grant avenue opened Nov. 16 as announced, and proved a great attraction, as the arrangement is decidedly out of the ordinary. The shop has a very large corner window, which was decorated for the opening with a profusion of stock in great variety. In the decoration, Mr. Joseph secured some bizarre

Oriental effects, and one novel feature was the use of fruits in connection with flowers for decorative effect. The second floor, devoted to pot plants, is most effectively arranged, the floor being deeply sanded and laid off into walks and garden plots in which the plants are displayed. The front is used for ferns, being set off from the rear by the elevator. This is treated in summer-house effect, with a structure of similar appearance on the other side, which is really a small aviary, containing a number of bright-colored birds.

WASHINGTON.

The sympathy of the trade is with Mrs. J. A. Phillips, of The Flower Store, 2820 Fourteenth street, Northwest, who recently met with the loss of her mother.

In order to prevent the introduction into this country of what is known as citrus canker, the Department of Agriculture will hold a hearing in this city, beginning at 10 o'clock, Tuesday, December 8, on the question of prohibiting the importation of citrus nursery stock, buds, scions or seeds.

Maggie Pooley, a member of a gypsy band encamped on the heights of Georgetown has been held under bonds of \$1,000 for the action of the grand jury on the charge of robbery, on the complaint of George A. Comley, a florist. The woman, it is said, entered Comley's store and insisted upon being allowed to tell his fortune. At last he consented and paid the woman fifty cents for so doing. Shortly afterward he found that he had been robbed of two one hundred dollar bills and complained to the police. The woman was quickly apprehended and after a long search the money was found cleverly concealed in a loaf of bread.

VISITORS' REGISTER.

St. Louis—A. Zirkman of M. Rice Co., Philadelphia; Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia; Otto J. Hembreiker, Lincoln, Ill.

St. Paul, Minn.—Chas. F. Meyer, New York City; Samuel Seligman, New York City; A. F. Longren, Chicago; Mr. Farney, Philadelphia; H. Reynolds, Holland.

Chicago, Ill.—A. C. Reicher, Michigan City, Ind.; J. M. Hoffman, La Porte, Ind.; H. B. Whitted, Minneapolis, Minn.; Geo. Taylor, Minneapolis, Minn.; F. H. Farney, Philadelphia, Pa.; Mr. and Mrs. S. A. Jamieson, Minneapolis; Sam. Seligman, New York.

Washington—Charles E. Meehan, of the S. S. Pennock-Meehan Company, Philadelphia, Pa.; E. P. Lovejoy, New York, N. Y.; William Dykes, representing Jansen & Company, New York, N. Y.; William J. Muth, Philadelphia, Pa.; William R. Gray, Oakton, Va.; I. Rosnosky, representing H. F. Michell Co., Philadelphia, Pa.; Mrs. H. E. Nesbitt, Front Royal, Va. and W. D. Beers, representing Cordley & Hayes, New York, N. Y.

WHERE ARE THE FLOWER BUYERS?

All summer the Chicago florists have arranged tempting window displays and tried to content themselves with thinking of the time when outdoor flowers would be gone and they could make up the deficit of the summer business. After the killing frost of Oct. 26 the writer watched for the flower buyers and they came. Not a retail florist in Chicago reports a marked increase in sales to date, unless for a special wedding decoration or large funeral such as might occur any week in the year. Chrysanthemums are moving unusually slow and now, at the height of the season, counters and ice boxes are filled. What are the people buying? That which has reached as near a state of perfection as the natural article and lasts all winter and costs less. Why should people be expected to buy chrysanthemums at \$5.00 per dozen when the artificial ones must be touched to detect the difference and can be bought for \$1.50? Sprays of berries that rival Nature's work are selling for \$1.00 each and prepared foliage at 50 cents per spray to the people who crowd the department stores. Florists introduced the make-up baskets of prepared materials and now in the big stores they are offered by the hundreds, and cut flowers are passed by. "Air plants," worked off by the florists on a credulous public, a few years ago, have been followed by such a collection of ferns that natural ones are almost eliminated from the homes. Baskets of large plants are now following their lead. Through the wholesale houses which are pushing sales all along this line, the smaller towns are stocking up each year more heavily, and it takes no prophet to see the effect upon the cut flower and plant business. That money which once went to buy flowers now finds its way to the "movies" and automobiles is true, as florists point out, but it is also true that the money now being spent for flowers, etc., is largely going over the counters for the artificial and prepared stock and this can be verified by any one who will take the time to watch the people buy.

M. B. HANCOCK.

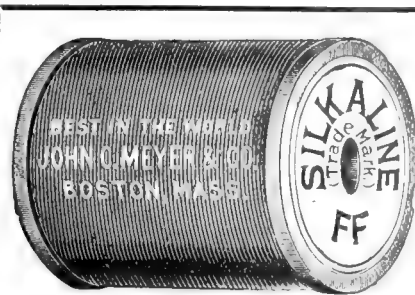
OBITUARY.

J. L. Fillow.

J. L. Fillow, senior member of the Fillow Flower Company, died at his home in Bridgeport, Conn., on Monday, November 16. Pneumonia was the cause of death. He is survived by his widow, two sons and one daughter.

Andrew Glorius.

Andrew Glorius, who was one of the pioneer florists of Washington, D. C., and who was for many years associated with his brother, the late George Glorius, as a grower and retailer, passed away at his home in Silver Spring, Md., at the age of ninety-six years. Mr. Glorius was a native of Germany. He came to this country in the late fifties. Some years ago he retired from the flower business and since that time he has been engaged in farming. Funeral services were held at the home of his nephew, Henry Nolte, in Silver Spring.



THE JOHN C. MEYER THREAD CO., LOWELL, MASS.
In writing advertisers kindly mention HORTICULTURE.

BE SURE that you get the MEYER GREEN SILKALKINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKALKINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKALKINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

BRITISH HORTICULTURE.

Items of Interest.

Sir David Prain, Director of the Royal Botanic Gardens, Kew, has sustained a sad bereavement by the death of his son, Lieut. Prain, in the fighting line in France.

Although no big shows are being held by the National Chrysanthemum Society, some excellent displays of this popular flower are being made in the London County Council Parks. By the Council's enlightened policy these exhibitions in the conservatories are opened on Sundays. I attended a display at Battersea Park on Sunday last (Nov. 8th) and was one of a big crowd of interested citizens.

National Dahlia Society.

As previously announced, the National Dahlia Society was deprived of its autumn show at the Crystal Palace by the exigencies of the war. The society is not content, however, to suspend all its operations until the welcome times of peace. Evidence of its activities is afforded by the issue recently of a supplement dealing with the extensive trials concluded during 1913. These were held at Duffryn, near Cardiff, and were conducted by Mr. Cory. They were the largest which have been conducted in a private garden, and were for the purpose of testing the decorative or garden value of the flower. There were between 7,000 and 8,000 plants, representing nearly 1,000 distinct varieties. The full details which are given furnish useful data for the guidance of all dahlia lovers.

War and Horticulture.

The direful results of the war have a far reaching effect. On every hand the fullest sympathy is felt for the terrible experiences which many of the Belgian nurserymen and their employees are experiencing. Every effort is being made to hospitably receive the thousands of refugees flocking to these shores. Another effect of the war is the closing of the German sources of potash supply, from which the British farmers and growers largely used to draw. Various expedients have been suggested as a substitute for this fertilizer, including the use of sea weed. Immense quantities of sea weed have for years been used by the growers in the Channel Islands. Apparently there has been no interference in the shipment of the Dutch bulbs, as the usual auction sales are being held. In certain quarters complaints are being made that some of the smaller exporters of Dutch bulbs are not too careful in their selections,

with the result that daffodil disease is introduced into this country. A Guernsey correspondent writes to a trade paper: "Some of the large and honorable Dutch firms undoubtedly burnt plenty of bulbs, diseased ones, and other unsaleable ones. But the smaller ordinary Dutch bulb firms have carried on a scandalous game for long, and it is high time that this onesided business should be stopped." It is a great shame that there should be this unfair trading on the part of a certain section, for it brings discredit on the whole trade, and gives a bad name to bulbs from Holland amongst British growers.

W. H. ADSETT.

DECORATIVE PLANTING AT THE PANAMA-PACIFIC.

Into the 65 acres of living gardens surrounding the Palace of Horticulture there have been set the enormous number of 704,000 golden-flowered plants under the direction of Donald McLaren, the California gardener. These flowers will occupy sunken gardens in the main entrance facing the Tower of Jewels and in the Minor Courts of Palms and Flowers. Work has begun on the final transplanting of 27,000 yellow wall-flowers, and an equal number of Spanish golden iris in the Court of Palms, which looks out upon the Palace of Horticulture. The Tower Plaza has already been planted with 200,000 yellow pansies, 100,000 yellow daffodils and 100,000 golden poppies. In the Court of Flowers, which opens toward Festival Hall, 250,000 golden poppies, 100,000 daffodils and 50,000 golden tulips will be set this week.

So that the 65 acres of flowers and plants will be kept constantly in bloom during the ten months of the Exposition, it is planned to replace this first setting with other flowers when the first cycle has lived its life. Mr. McLaren believes that three plantings will be required to keep the vast gardens ever in bloom. An unusual decision was made by Mr. McLaren this week to plant no palms in the Court of Palms, the space being given over to acacias, towering Italian cypresses and low-growing eugenias. The balustrade surrounding the pool will be overhung by low-trailing muehlenbeckia, or maiden-hair vines.

The Exposition's horticultural gardens became international in scope this week when entries of roses from Belgium and Holland were planted in the rose gardens. These are government exhibits of these two countries and are entered in the competitions, one of which has as a prize \$1,000 for a new, un-named rose.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 16		CHICAGO Nov. 16		BUFFALO Nov. 23		PITTSBURG Nov. 23	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	20.00	to 25.00	30.00	to 35.00	35.00	to 40.00
" " Fancy and Extra.....	12.50	to 20.00	15.00	to 20.00	20.00	to 25.00	20.00	to 30.00
" " No. 1.....	8.00	to 10.00	5.00	to 10.00	10.00	to 15.00	12.50	to 15.00
Killarney, Richmond, Extra.....	4.00	to 6.00	5.00	to 8.00	.....	to 8.00	8.00	to 12.00
" " Ordinary.....	2.00	to 4.00	3.00	to 5.00	3.00	to 5.00	4.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	4.00	to 6.00	5.00	to 8.00	7.00	to 8.00	8.00	to 12.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	3.00	to 5.00	4.00	to 6.00
Maryland, Shawyer, Taft, Extra.....	4.00	to 6.00	5.00	to 8.00	7.00	to 8.00	8.00	to 10.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	3.00	to 6.00	4.00	to 6.00
Russell, Hadley, Ophelia.....	4.00	to 6.00	.....	to 8.00	6.00	to 8.00	.....	to 10.00
Carnations, Fancy.....	2.00	to 3.00	2.00	to 3.00	.....	to 3.00	.....	to 4.00
" " Ordinary.....	1.50	to 3.00	1.00	to 2.00	2.00	to 2.50	2.00	to 3.00
Cattleyas.....	50.00	to 60.00	35.00	to 50.00	8.00	to 10.00	40.00	to 65.00
Lilies, Longiflorum.....	10.00	to 12.50	10.00	to 12.00	8.00	to 10.00	10.00	to 12.00
Lily of the Valley.....	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00
Violets.....	.50	to 1.00	.75	to 1.00	.75	to 1.00	.....	to 1.00
Corn Flower.....	.....	to 1.00	.....	to 1.00	.40	to .50	.....	to 1.00
Chrysanthemums.....	9.00	to 25.00	5.00	to 20.00	5.00	to 25.00	6.00	to 25.00
Sweet Peas.....	.50	to 1.00	.....	to 1.00	.50	to .75	.....	to 1.50
Gardenias.....	.....	to 2.00	.....	to 2.00	.....	to 2.00	.....	to 2.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.....	to 1.25
Smilax.....	.....	to 12.50	12.00	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100).....	20.00	to 25.00	40.00	to 50.00	40.00	to 60.00	30.00	to 40.00
" " & Spreng. (100 brs.).....	20.00	to 25.00	25.00	to 50.00	30.00	to 50.00	30.00	to 50.00

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Flower Market Reports

BOSTON As we go to press activity in the market is almost what it should be at this time of the year. Retailers have been holding back until today, Wednesday, and are now buying in large quantities. The supply just about meets the demand and there is consequently no marked raise in prices. Carnations and roses are the only crops that have shortened up to any considerable extent, good roses and carnations securing satisfactory figures. Chrysanthemums are still plentiful, yellows and whites selling in large quantities, although quotations are only normal. It is only the exceptional lot here and there that is receiving more than \$3.00 per dozen. Violets continue to be scarce, as well as sweet peas. Orchids and gardenias have advanced slightly.

CHICAGO The middle of the week before Thanksgiving brought a shortening up of the chrysanthemums. This was partly accounted for in the probable holding back of stock that there might be no shortage for Thanksgiving week. Shipping began to distant points on Monday and the supply of the largest chrysanthemums was used up to good advantage. The week of cold weather had made the flowers firm and the large shipping houses were rejoicing in the fact that orders could be filled with good stock. It is expected that each day will bring in a sufficient amount of the big favorites to care for all orders but there is a possibility of running short. Local trade at this writing is slow. Home grown gardenias are coming now and some fine pink and white bouvardias are also offered. Sweet peas are now seen again, with rather short stems but they are of the butterfly varieties and sell well. The rose supply is very good and all kinds are now in the market. The carnation will soon come into its own again with the passing of the chrysanthemums and some splendid stock is offered this week. Some especially fine Mrs. Ward were noticed at Poehlmann Bros.

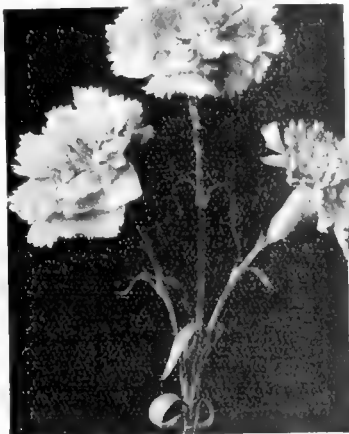
NEW YORK Tardy but all the more welcome comes the improvement in the flower trade conditions. Seasonable weather has helped, Thanksgiving Day has helped and the gradual retirement of the chrysanthemum has helped. Anyway, it is high time that everybody "got a move on" and most of the talent—retail, wholesale and speculative, as well as the patient and unobtrusive grower—has started to do what he regarded as the proper thing to do on this auspicious occasion. Not everybody was looking for this revival; it is almost the happening of the unexpected, for the interim of hoping against hope has been long drawn out. But it's here—for long or for short duration—so let everybody make the best of it while it lasts, pray that it may never end and then—lay in a good substantial Thanksgiving Day dinner, with gratitude that things are not half as bad as they might be.

PHILADELPHIA End of last week here witnessed quite a revival in the tone of the market. Roses all along the line advanced—not only one or two varieties but the twenty or

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Alice Coombs (Roper).....	12.00	100.00
Aviator, Scarlet	12.00	100.00
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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Nov. 25		ST. LOUIS Nov. 23		PHILA. Nov. 16	
Roses						
Am. Beauty, Special	25.00	to 40.00	25.00	to 40.00	15.00	to 20.00
" " Fancy and Extra	15.00	to 20.00	15.00	to 20.00	8.00	to 12.50
" " No. 1	5.00	to 8.00	8.00	to 10.00	3.00	to 6.00
Killarney, Richmond, Extra	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00
" " Ordinary	2.00	to 4.00	3.00	to 5.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 10.00	8.00	to 10.00	4.00	to 8.00
" " Ordinary	1.00	to 2.00	4.00	to 6.00	1.00	to 3.00
Maryland, Shawyer, Taft, Extra	2.00	to 8.00	6.00	to 8.00	4.00	to 8.00
" " Ordinary	1.00	to 3.00	2.00	to 4.00	1.00	to 3.00
Russell, Hadley, Ophelia	5.00	to 15.00	8.00	to 10.00	2.00	to 12.00
Carnations, Fancy	3.00	to 5.00	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
Cattleyas	35.00	to 45.00	40.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	10.00	to 12.50	5.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets .....	.50	to .60	.50	to 1.00	.25	to .50
Corn Flower .....	.50	to .75	.....	.....	.....	.....
Chrysanthemums	3.00	to 15.00	10.00	to 20.00	5.00	to 20.00
Sweet Peas .....	.40	to .60	.50	to 1.00	.....	.....
Gardenias .....	.....	to 40.00	.....	.....	10.00	to 25.00
Adiantum	50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	4.00	to 10.00	10.00	to 12.50	12.50	to 15.00
Asparagus Plumosus, Strings	25.00	to 40.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 50.00	20.00	to 30.00	25.00	to 50.00

more which now dominate. Every one of these varieties felt the effect, but it was especially noticeable in four or five of the newer sort. It would appear that in these latter the growers are using the stock for wood instead of for flowers. Carnations also went up—probably twenty-five per cent. on an average—and it certainly was about time, for these have been far too low all through this season. Even now they are twenty-five per cent. behind last year. Most other staples felt the stimulating effect of the improved market—not so much in the increase of quotations as in the better clean-up at quoted rates. The flush of the chrysanthemum crop will be over by the end of this week. After that there will be Nonin and the other late ones—and they usually bring better prices. Bouvardia, mignonette, lilies, lily of the valley and paper whites remain normal. For Thanksgiving the price

asked for on violets in advance was about equal to last year but whether it will pan out that way is doubtful. Sweet peas are improving; some fairly good Spencers are now to be had. The improved demand mentioned for stocks in general is gratifying of course, but the better prices may be due also to some extent to the dark, rainy and cold weather we have had recently—which has undoubtedly reduced production.

SAN FRANCISCO The local cut flower market has stiffened up materially within the last few days. A rather abrupt increase in the general demand has coincided with a falling off of supplies in several popular lines, with the result that the daily offerings are cleaning up well at better prices than have recently prevailed. Supplies of chrysanthemums are much lighter,

(Continued on page 771)

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ROSES AND CARNATIONS	Last Half of Week ending Nov. 21 1914		First Half of Week beginning Nov. 23 1914	
American Beauty, Special	15.00	to 25.00	20.00	to 35.00
" " Fancy and Extra	8.00	to 12.00	15.00	to 25.00
" " No. 1	2.00	to 6.00	5.00	to 15.00
Killarney, Richmond, Extra	2.00	to 5.00	3.00	to 6.00
" " Ordinary	.50	to 2.00	2.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	6.00	to 10.00
" " Ordinary	.50	to 2.00	3.00	to 5.00
Maryland, Sawyer, Taft, Extra	2.00	to 5.00	5.00	to 8.00
" " Ordinary	.50	to 2.00	3.00	to 5.00
Russell, Hadley, Ophelia	2.00	to 8.00	4.00	to 20.00
Carnations, Fancy Grade	1.00	to 2.00	3.00	to 4.00
" " Ordinary	.50	to 1.00	2.00	to 3.00

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Flower Market Reports

(Continued from page 769)

as the crop is about cleaned up in several sections. The Japanese varieties are playing out, and while the Chinese are showing up well the supply is very moderate. Violets are scarce. The acreage is larger than last year, but the crop per acre is far short of normal, and nothing extra in quality. A week of rain, however, would bring them out in good shape. Carnations are kept well cleaned up, with a much better demand from the country, and prices have advanced sharply. The supply of roses is still limited, and offerings are quickly absorbed, the quality being very good. There is practically nothing offered in the way of lilies, except lily of the valley, and they are increasingly scarce. Some paper white narcissi have been appearing for the last few weeks, and a few freesias have been seen, with indications of an unusually early crop. Supplies of California holly are larger than usual at this season, and of very good quality. It is finding some demand in the regular trade, besides being used extensively by retail merchants for window decoration. The entrance of a new retail shop on a large scale has caused some stir in the local market, and in addition to a stronger general demand from outside towns, some good sized Thanksgiving orders, especially for violets, have come from the east.

ST. LOUIS Thanksgiving week appeared with the first scarcity of the season and just when the demand was growing better and from a retailers standpoint it looks as if the shippers to this market are holding back for the big day. This caused a scramble for stock and prices are up a few cents on all stock. Chrysanthemums are still in abundance, but are nearing their end. Bonnaillon is still the leading variety, with Chadwick, Mrs. Jones and Eaton following. Carnations and roses are up too. The wholesalers say there will be plenty of stock at reasonable prices and the retailers expect good business for this week.

WASHINGTON Cooler weather and curtailed production has caused prices to stiffen to a small extent. Business continues poor and while the growers are not so apt to accept what is termed the "buyer's own price," they will take anything that looks like fair money for their stocks. The main increase has been on chrysanthemums which are always in exceptionally good demand for Thanksgiving Day. Orchids are by no means plentiful yet they are in greater supply than necessary. Sweet peas are more plentiful and are good. In the lavender shades these have been very popular and at times have sold out to good advantage. Violets continue scarce and the few that are received move well. Paper white narcissi are increasing both in quantity and quality but some of the growers having found that its production costs more than its sale brings have discontinued it. Carnations are coming in good and some varieties of roses are of exceptional quality. Gardenias are more plentiful and are cheap.

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Bronze and Green Galax, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00
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Fine Boxwood, \$7.50 per 50-lb. case.
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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 21 1914	First Half of Week beginning Nov. 23 1914
Cattleyas	12.00 to 25.00	35.00 to 60.00
Lilies, Longiflorum	3.00 to 5.00	4.00 to 6.00
"Rubrum	1.00 to 2.00	1.00 to 2.00
Lily of the Valley	1.00 to 2.00	3.00 to 4.00
Violets	.35 to .75	.35 to 1.00
Corn Flower	2.00 to 15.00	5.00 to 35.00
Chrysanthemums	3.00 to 4.00	3.00 to 4.00
Sweet Peas per 100 bunches	5.00 to 12.00	10.00 to 25.00
Gardenias	.50 to .75	.50 to .75
Adiantum	8.00 to 12.00	8.00 to 12.00
Smilax	25.00 to 30.00	15.00 to 30.00
Asparagus Plumosus, strings (per 100)	15.00 to 30.00	15.00 to 30.00
& Spreu (100 bunches)		

"Little Benny" ON FLOWERS.

The prinsepil way to tell wen summir is heer is by the flowirs. Wen it stops beeing cold and the furnace goz out, peepil begin to think wintir is ovir, and wen the berds fly back from the south and try to remembir ware they bilt thare nests, peepil begin to think the seezons must be changing, but wen they look erround and see awl the different flowirs growing, they say, G, summir is heer.

Only this is a funny time to rite about flowirs, bekause if you want to pick eny flowirs now you haff to go in a florist stoar, and pick them, or elts climb up and open sumboddys parlor window and pick sum awf of the flowir pots standing thare to be showed awf. The 2nd way beeing the leest expensive.

Akkording to poetry, sum flowirs is born to blush unseen, sutch as the violet by a mossy stone wasting its fragments awn the desert air.

Uthir flowirs are born to blush seen, awn akkount of costing so mutch, sutch as the krisanthemum awn a gerls chest.

Sum flowirs are usefill awn akkount of there bewty, sutch as the rose and the lilly in a pot, wile uthirs are usefill awn akkount of there usefillniss, sutch as the buttircup, wich you can tell by holding it undir a persins chin weathir a persin likes buttir or not.

Most fellos dont think mutch of flowirs, but awl gerls love them, wich iplanes wy most fellos haff to buy them weather they like them or not.

Wild flowirs is considered the most bewtifill, the reezin they are not so pupuler beeing bekause they dont cost enything.—Little Benny's Note Book, in Boston Traveler.

William Plumb, formerly representing the horticultural department of the Panama-Pacific Exposition is now employed in a large development enterprise in Cuba. His address is Ingenio "Santa Gertrudis" Banaguises, Cuba.

MITES ON MUSHROOMS

I have a mushroom bed, already bearing mushrooms, and I find they are covered with something like a mite. I would like to know what to do for them.

J. M. S.

Growers of mushrooms are often troubled by flies or "mites" attacking the fungi and unless prompt measures are taken to rid the beds of them serious trouble sometimes results. The best method of getting rid of these pests is by fumigation and hydrocyanic acid gas is the surest remedy, but this gas has to be used with great care and unless the building can be made air-tight it is not advisable to employ it. Two fumigations of a good tobacco preparation, such as Nicofume, with an interval of two or three days between each, will put an end to the flies and do no harm to the crop.

GINKGO FROM SEED.

Dear Sir:—

I have one tree of Salisburia, or maiden-hair tree, that has fruited this year for the first time, and I have saved some of the seeds. Will you kindly advise me as to how I will grow those seeds—whether I will plant them in the greenhouse or outside in the border?

P. B. F. F.

Wash the seeds and plant them in a box and place in the cool end of a greenhouse or other place where severe frost will not reach them. About the end of January or the first of February bring them into a warm place and they will germinate the first year if they are properly fertilized which is not always the case with seed from young trees.

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

B. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCAIARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ARDISIAS

Julius Roehrs Company, Rutherford, N. J.
For page see List of Advertisers.

AUCTION SALES

Elliott Auction Co., New York City.
For page see List of Advertisers.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown, N. Y.
For page see List of Advertisers.

BAY TREES

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
ROEHR'S CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

Julius Roehrs Company, Rutherford, N. J.
For page see List of Advertisers.

J. A. Peterson & Sons, Westwood, Cincin-
nati, Ohio.

"The Home of Winter Flowering Begonia."
For page see List of Advertisers.

BERBERIS THUNBERGII

Old Town Nurseries, M. P. Haendler, Prop.,
So. Natick, Mass.
For page see List of Advertisers.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Hitchings & Co., New York City.

Lord & Burnham Co., New York City

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on
demand. JULIUS ROEHR'S CO., Ruther-
ford, N. J.

BOXWOOD SPRAYS

The Leo Nissen Co., Philadelphia, Pa.
For page see List of Advertisers.

FANCY BOXWOOD SPRAYS.

Bright Green Dwarf and Tree varieties,
direct from Southern Plantations, every
pound guaranteed. Packed in light weight
freight or express containers. Let us
quote you on your requirements. Sample
free. PITTSBURGH CUT FLOWER
COMPANY, 121 Sandusky St., Pittsburgh,
Pa.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lilly Bulbs.

For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Bedding Hyacinths.
For page see List of Advertisers.

Henry F. Michell, Philadelphia, Pa.
Bulb Headquarters.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A Henderson & Co., Chicago, Ill.
Fall Bulbs.
For page see List of Advertisers.

Arthur T. Roddington, New York City.
Quality French Bulbs.
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

New England Nursery Co., Bedford, Mass.

CANES

Stumpp & Walter Co., New York City.
Japanese Bamboo Canes.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Carnation rooted cuttings: Wonder, 3c.;
Pink Windsor, 24c. January delivery.
C. L. PIERCE, Holbrook, Mass.

CARNATION STAPLES

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 1000 for 35c.; 3000 for \$1.00 post
paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing
split carnations, 35c. per 1000; 3000 for
\$1.00. F. W. WAITE, 85 Belmont Ave.,
Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

STOCK 'MUMS OF CHOICE NEW SORTS

Mrs. Salomon, Golden Salomon, Wm. Tur-
ner, Naomah, Ramapo, Chieftain, Ivory Su-
preme, Arlette Dubois, L'Africaine, Patty,
\$3 per 100, \$25 per 1,000; Golden Glow and
15 other standards, \$2 per 100, \$15 per 1,000.
I. M. RAYNER, Greenport, N. Y.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COLEUS

Coleus, Verschafelti, Golden Bedder and
Queen Victoria, strong plants from 2-in.
pots. \$1.50 per 100; \$12.50 per 1000. W. E.
KING, Box 1365, Little Silver, N. J.

CYBOTICUMS

A. M. Davenport, Watertown, Mass.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Julius Roehrs Company, Rutherford, N. J.
For page see List of Advertisers.

DAHLIAS

Dahlias—2500 field clumps, latest vari-
eties, cheap for cash; or what have you to
exchange? GEO. H. WALKER, Dahlia
Expert, North Dighton, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest Handsome-
est. Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to

PEACOCK DAHLIA FARMS, Berlin, N. J.
ALEXANDER'S QUALITY DAHLIAS
are the best on the market; 800,000 Clumps
to offer, at rock bottom prices, in full field
clumps, and strong divisions. If you are
looking for stock for your 1915 Catalogue,
or for forcing, send at once for free cata-
logue. J. K. ALEXANDER, "The Dahlia
King," East Bridgewater, Mass.

DECIDUOUS TREES

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers

For List of Advertisers See Page 751

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechslin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
Ferns in Flats.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

The Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Actus Brand Tankage Fertilizer.
For page see List of Advertisers.

Himer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

Natural Guano Co., Aurora, Ill.
Pulverized Sheep Manure.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

B. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayerdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

B. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Gladiolus for Forcing.
For page see List of Advertisers.

Planting stock and bulbiers—Holley,
America, Princes, Chicago White, Niagara,
Mrs. King, Golden King, Pendleton, Peace,
Panama and all the good ones. Write for
list. HOMER F. CHASE, Lawrence, Mass.

MRS. FRANK PENDLETON.

I am headquarters for pure stock of this
grand pink gladiolus. Write for quotations
on all sizes. Prices right.
L. MERTON GAGE, Natick, Mass.

Write for price list home-grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.
For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Pierson U-Bar Co., New York City.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

Hitchings & Co., New York City.

Daniel Illife, South Weymouth, Mass.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

MAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Eiler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.
For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.
For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Strong plants from field or pots. Write
for prices on what you need. First-class
stock. W. E. KING, Box 1365, Little Sil-
ver, N. J.

HEATING APPARATUS

Kroschell Bros. Co., Chicago.
For page see List of Advertisers.

Daniel Illife, South Weymouth, Mass.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonso J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co.,
Chicago, Ill.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphla Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

B. G. Pratt Co., New York City.
For page see List of Advertisers.

IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

JERUSALEM CHERRIES

Jerusalem cherries, 4 inch, pot grown,
strong plants and well berried, \$15.00 per
100. Cash, F. SOKOL, College Street,
Worcester, Mass.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILY BULBS

Henry F. Mitchell Co., Philadelphia, Pa.
Lilium Longiflorum Multiflorum.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteum.
For page see List of Advertisers.

LILY OF THE VALLEY

McHutchinson & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

F. R. Pierson, Tarrytown, N. Y.
Cold Storage Lily of the Valley.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.

\$5.00 per 1,000; Clumps, \$8.00 per 100, 5
inch. for outdoor planting. Dabils of all
varieties. HENRY SCHÄUMBERG, Ham-
monton, N. J.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville,
Ohio.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louis-
ville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

New England Nursery Co., Bedford, Mass.
Bedford Quality Nursery Stock.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

25 acres devoted to the growing of
Peonies; let me figure on your list of
wants. GILBERT H. WILD, Sarcoxis, Mo.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special"
For page see List of Advertisers.

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

Henry A. Dreer, Philadelphia, Pa.
Select Forcing Rhododendrons.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONRAD & JONES COMPANY,
West Grove, Pa. Send for offers.

SCALECIDE

B. G. Pratt Co., New York City.
For page see List of Advertisers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and
Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and
Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Boigiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Mitchell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

B. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Shamrock Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
Pansy Seed.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

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For page see List of Advertisers.

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Live Sphagnum moss, orchid peat and
orchid basket always on hand. LAGER
& HURRELL, Summit, N. J.

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For page see List of Advertisers.

For List of Advertisers See Page 751

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For page see List of Advertisers.

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Stocks, Pink and White, a selected strain, 80 per cent. double, nice stock plants out of bench. \$3.00 per 100, cash. W. H. WAITE, Greystone, Yonkers, N. Y.

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Orchids—Largest stock in the country. Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

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For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIREWORKS, 38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

M. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Pechlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hents & Nash, 55 and 57 W. 28th St.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued

New York—Continued

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York.
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketon, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo. Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ransstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1008-12 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Recheater, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

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The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

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A. M. Davenport, Watertown, Mass.
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For page see List of Advertisers.

CHICORY ROOTS FOR FORCING.

Warren Shinn, Woodbury, N. J.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION.

William H. Lutton Co., Jersey City, N. J.
For page see List of Advertisers.

ONION SEED—ONION SETS.

Schilder Bros., Chillicothe, O.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

SITUATIONS WANTED

SITUATION WANTED by a seedsman of experience and business standing; well up in vegetable, farm and grass seeds, the handling of invoices, correspondence, stock book and the variety of work which makes up the routine of the seed business; successful and energetic; would like an engagement for early next year; record shows few changes and long service. DENNIS KENNA, 436 Amity St., Flushing, N. Y.

POSITION WANTED by Estate Superintendent for 1915; experienced in farming, forestry and landscape work. Would consider nursery proposition; particulars on application. Address SCOTSMAN, care of "Horticulture."

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Florists' Attention

We have on hand ready for shipment all material necessary for the superstructure of a MODERN IRON FRAME LUTTON GREENHOUSE, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300, F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the LUTTON Reputation. We will send you even the GALVANIZED NAILS, BOLTS AND SCREWS for assembling the house. Plans sent on request.

William H. Lutton Company

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CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M." care HORTICULTURE.

FOR SALE—Fresh from factory, now; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PAB-SHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

Est. 1765

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Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.,
LONG ISLAND CITY, N. Y.**FRUIT-BEARING SHRUBS TO AT-
TRACT DESIRABLE BIRDS.**

In a new Farmers' Bulletin, entitled "How to Attract Birds in Northeastern United States," by one of the biologists of the United States Department of Agriculture, especial attention is given to the value of certain fruit-bearing shrubs and trees as a means of attracting desirable birds about the home. The choice of this vegetation to give protection to the farmer's bird neighbors varies considerably with locality, and the new Farmers' Bulletin (No. 621) deals particularly with such as would thrive along and near the rocky coasts of New England.

Juniper is one of the shrubs most highly recommended for the New England bird lover to use to attract his feathered friends. Other suggestions are as follows: Common barberry; English thorn; Hybrid crabapple; European and American mountain ashes; Smooth and staghorn sumacs; Privets; Buckthorn; Red-berried elder.

Where the soil is chiefly sand, and that often shifting conditions are not suited to many plants. Selections may be made, however, from the following, all of which are known to thrive in such surroundings:

For Seed Eaters—Beach grass, and sunflower. For Fruit Eaters—Bayberry; Sea buckthorn; Sand cherry; Beach plum; Cranberries; Bearberry. The Department's Bureau of Biological Survey will be glad to receive further information regarding similar plants which actual trial has shown to be valuable as bird food.

The new publication contains many suggestions on methods of protection for the purpose of increasing the number of birds in any area. A cat-proof fence is suggested as one means. Other suggestions are made regarding breeding places, water supply, and food, and reference is made to Farmers' Bulletin No. 609, entitled, "Bird Houses and How to Build Them," which makes numerous similar suggestions.

**Wild Shrubs Protect Cultivated
Varieties.**

The bulletin contains a table of wild fruiting trees and shrubs suitable to growth in New England, giving their scientific names and their fruiting seasons. If these wild varieties are grown each will fruit just in time to protect certain cultivated varieties that are grown, nearby. For instance, if wild strawberries are grown, they will ripen at the same time as do cultivated strawberries in the same garden. The birds will eat the former in preference to the latter, and meanwhile they will be helping the whole garden by ridding it of many insect pests. Other wild shrubs may be planted in the neighborhood of apple, pear, and cherry trees to serve as a protection to these during their fruiting season.

DREER'S "Riverton Special" Plant Tub

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$18.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

The bulletin may be had by any bird lover on application. Many of the suggestions which it contains are of general interest throughout the country, although the suggestions regarding the wild shrubs are more especially applicable to New England.

THE SHAW BANQUET.

The annual Shaw banquet takes place Friday night, Nov. 27, at the University Club, St. Louis. This banquet is for florists, gardeners and nurserymen. This day is also set aside for a reunion of former Garden pupils who will be the guests of the directors. An automobile ride, lunch and meeting at the Garden and the banquet at night are on the program.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Schenectady, N. Y.—M. H. Morrel, additions.

Bostic, N. C.—Valdesian Nurseries, one house.

Greve Coeur, Mo.—H. J. Kettmann, house, 33x135.

Wyomissing, Pa.—Lee P. Arnold, house, 30x150.

Waco, Tex.—Mohan Floral Co., two houses, each 21x165.

Glen Ellyn, Ill.—Geo. J. Ball, range of Moninger houses.

Pittsburgh, Pa.—John Monson, chrysanthemum house.

Gardner, Mass.—F. W. Murdock, Pine street, one house.

Denver, Colo.—W. C. Walker, Columbine street, one house.

Baldwinville, Mass.—Herbert S. Morley, vegetable house, 50x100.

Peabody, Mass.—Michael O'Grady, 19 Washington street, one house.

Winona, Minn.—John Fuhlbruegge, 28 East Howard street, additions.

West Roxbury, Mass.—Chas. A. Westhaus, 91 Bellevue avenue, one house.

Superior, Wis.—Clarence Gradin, Ogden avenue and 55th street, range of houses.

FIRES.

Central Falls, R. I.—A fire in the Littlefield Building on Wednesday morning, Nov. 18, damaged the flower

shop of E. J. Tucker to a considerable extent.

West New Brighton, N. Y.—Fire destroyed the greenhouse of Thomas Decker, on Lambert's lane, near Bulls Head, Saturday morning, Nov. 7. The loss amounted to \$2,000.

Beverly, Mass.—An investigation is being conducted today as to the cause of the fire at Cedar Acres, the gladiolus farm of B. Hammond Tracy at Wenham, where, on Monday, Nov. 23, the big barn, bulb house and show house were destroyed, and the bulb product of 20 acres, two horses, a mule and a cow lost their lives, and the mansion house narrowly escaped destruction. Cedar Acres was one of the show places of the North Shore. Just how the fire started is a mystery. It was discovered by a watchman on the Burnham estate. Mr. Tracy estimates his loss at not less than \$10,000.

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STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1½ in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 "	" 4.88	450 4½ "	" 5.24
1500 2½ "	" 5.25	320 5 "	" 4.51
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1000 3 "	" 5.00	144 6 "	" 3.16
800 3½ "	" 5.80	120 7 "	" 4.20
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OUR SPECIALTY—Long Distance and Trade Export



The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

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POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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SPRAYING-VAPORIZING-FUMIGATING

ASK SEEDSMEN FOR PRICES

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NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

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Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

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Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
 1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
 10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
 If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

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Cent a Word Undisplayed**



Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

Scotch Soot

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

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Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by ELMER D. SMITH & CO., Adrian, Mich.

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S. will cost \$20, plus \$22.50 to apply, or \$42.50. One barrel of "SCALECIDE" will spray just as many trees, and spray them better, and will cost only \$25, plus \$12 to apply. You save \$5.50 and get a better protection against San Jose Scale, Leaf Roller and all pest-controllable in dormant season. Write for Leaflet "The Tree Saver." B. G. Pratt Co., 53 Church St., N. Y. C.

"SCALECIDE" at \$25 per barrel is cheaper than Lime Sulphur at \$6, because 3 1/2 lbs. of L.

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Manufacturers of



The Recognized Standard Insecticide.

A spray remedy for green, black, white, red spider, thrips, mealy bug and soft scale.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

"40% NICOTINE"

A free nicotine, 40% strength, for spraying and vaporizing.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

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A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

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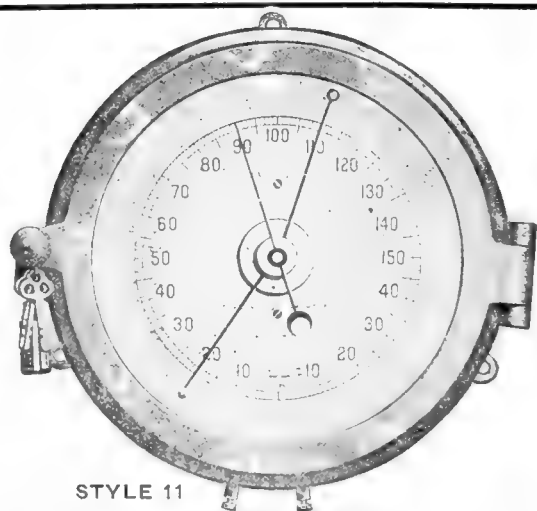
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Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

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A LOYAL FRIEND

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Costs but \$10.00

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GREENHOUSES

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and when it does come there will be a whole lot of folks wishing they had installed

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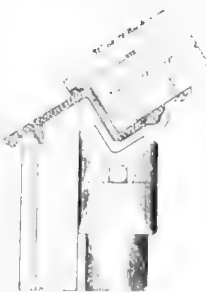
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Washington, D. C.

INCORPORATED.

New York, N. Y.—Loechner & Co.,
11 Warren Street, capital stock \$10,000.
Incorporators: Charles Loechner,
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Superior, Wis.—Frank Spring has
sold ten acres of land to E. Thurston,
who will start a nursery thereon.

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Patented Greenhouses—Heating Engineers
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Norman Slade, Durham, N. C.
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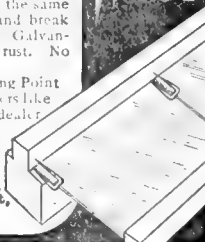
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The Peerless Glazing Point is patented. No one else like it. Order from your dealer or direct from us.

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REPUTATION. We want to tell you about our work and how much it differs from our competitors.

If you are coming to NEW YORK, be sure and inspect our greenhouse erected complete in the largest RAILROAD TERMINAL in this country, GRAND CENTRAL STATION, 42ND STREET, NEW YORK. To keep a full equipped greenhouse right in the heart of NEW YORK for the benefit of our patrons is only another sample of our progressive methods.

WILLIAM H. LUTTON COMPANY

Designers and Builders of GREENHOUSES, CONSERVATORIES AND MODERN GLASS STRUCTURES

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Hot Bed Sash Pecky Cypress Celery Boards
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The special price will hold good on orders placed before January first.



Our catalog shows two other views of this beautiful circular Palm House, with its connecting houses and wings. Send for it.

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Vol. XX
No. 23
DEC. 5
1914

HORTICULTURE



Simplicity in Flower Arrangement

Courtesy of Max Schling

Published Every Saturday at 11 Hamilton Place, Boston, Mass.
Subscription, \$1.00.

MATCHLESS

A GREAT SUCCESS

This remarkable new white carnation has made good every prediction that we made when we disseminated it last year.

Reports that come to us from all over the country are all to the effect that **MATCHLESS**, because of its vigorous constitution, freedom of growth, earliness and wonderful production, is the greatest advance obtained in carnations in many years.

Many of the growers commenced cutting high-class flowers as early as Aug. 20th. One large grower up to November 1st had cut five flowers per plant and reports that his benches are now carrying a large crop of the highest quality of bloom.

Our own experience with **MATCHLESS** during the four years we have been growing it for the New York market, has proved to us that **MATCHLESS** is as productive as any existing variety and can be grown to perfection by the ordinary grower. These characteristics, together with the high quality of flower and the fact that **MATCHLESS** is non-bursting, making it possible to market 100% of the blooms, make **MATCHLESS** one of the most profitable varieties to grow.

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\$ 6.00 per 100	\$ 50.00 per 1000
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LIST OF ADVERTISERS

	Page		Page		Page		Page
Advance Co.....	815	Conine, F. E.....		Grey, Thos. J. & Co.....	799	Lord & Burnham Co.....	816
Albany Cut Flower Ex.....	806	Nursery Co.....	794	Gude Bros. Co.....	801	McCarthy, N. F. & Co.....	792-804
Allen, J. K.....	806	Cottage Gardens Co.....	782	Haendler, M. P.....	794	McConnell, Alex.....	800
Anderson, S. A.....	801	Cowee, W. J.....	804	Hall Association.....	814	McIntosh & Co.....	795
Applie Mfg. Co.....	813	Craig, Robt. Co.....	784	Hart, Geo. E.....	806	McManus, Jas.....	806
Aschmann, G.....	784	Critchell, C. E.....	804	Heacock, Jos.....	784	Meyer.....	800
Asmus, Geo.....	802	Crowl Fern Co.....	807	Henderson, A. & Co.....	798	Meyer, John C.....	803
Ayres Co., S.....	799	Dards.....	800	Hess & Swoboda.....	800	Meyer, Chas. F.....	783
Bryson.....	799	Davenport, A. M.....	784	Hews, A. H. & Co.....	814	Michell's Seed House.....	798
Badgley, Riedel & Meyer.....	806	Dorner, F. & Sons Co.....	784-794	Hillfinger Bros.....	814	Michigan Cut Flower Ex.....	804
Barrie, Geo. N.....	814	Dreer, H. A.....	791-795-814-815	Hill, E. G. Co.....	814	Millang, Chas.....	806
Barrows & Son.....	784	Dunlop, John H.....	801	Holland Nurseries.....	796	Moore, Hentz & Nash.....	806
Bayersdorfer, H. & Co.....	803-806	Dysart, R.....	807	Holm & Olson.....	800	Murray, Samuel.....	800
Bay State Nurseries.....	795	Edwards Folding Box Co.....	804	Irwin, R. J.....	798	National Nurseryman.....	795
Bobbink & Atkins.....	796	Elliott Auction Co.....	795	Jacobs, S. & Sons.....	815	Natural Guano Co.....	812
Boddington, A. T.....	797	Ernest, W. H.....	814	Jones, M. D.....	796	Nicotine Mfg. Co.....	813
Bolgiano & Son, J.....	799	Esler, J. G.....	814	Kasting, W. F. Co.....	804	Niessen, Leo Co.....	804
Boston Florist Letter Co.....	804	Eyres.....	801	Keller, J. B. Sons.....	800	Oechslein, Ernest.....	784
Braslan Seed Growers Co.....	799	Farmers and Florists Fertilizer Co.....	813	Keller, J. M. Co.....	784	Old Town Nurseries.....	794
Breck, J. & Sons.....	799	Farquhar, R. & J. & Co.....	795	Kervan Co.....	806	Old Town Nurseries.....	794
Breitmeyer's, J. Sons.....	800	Felthousen, J. E.....	796	King Construction Co.....	814	Palmer, W. J. & Son.....	800
Bryan, Alonzo J.....	784	Fisher, Peter.....	784	Komada Bros.....	806	Park Floral Co.....	800
Burnett Bros.....	799	Foley Mfg. Co.....	815	Kramer, F. H.....	801	Parshelsky Bros.....	815
Burpee, W. A. & Co.....	799	Ford, M. C.....	806	Kroeschell Bros.....	815	Peirce, E. Allan.....	814
California Seed Growers' Assn.....	799	Ford, W. P.....	806	Kuebler, W. H.....	806	Penn the Florist.....	800
Carter's Tested Seeds, Ins.....	798	Portier, Fiske & Rawson.....	799	Lager & Hurrell.....	796	Pennock Mfg. Co.....	805
Childs, John Lewis.....	798	Froment, H. E.....	806	Lemon Oil Co.....	813	Perry, Buxton, Deane.....	814
Clarke's, D. Sons.....	800	Galvin, Thos. F.....	801	Leonard Seed Co.....	799	Pierce, F. O.....	815
		Gasser Co., J. M.....	801	Leuthy, A. & Co.....	794	Pierson, A. N.....	784
		Graham, Adam & Son.....	800	Loechner & Co.....	783		

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250 at 1000 rates.

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Early Snow, Glory Pacific, Harry May, Jennie Nonin, Moneymaker, Major Bonaffon, Polly Rose, Pacific Supreme, Robt. Halliday, Smith's Advance, White Bonaffon.

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4 inch \$35.00
3 inch 50.00
4 inch 75.00

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RALPH M. WARD & CO.

71 MURRAY ST., - NEW YORK

When Writing to Advertisers Kindly Mention Horticulture

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Far

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—/ p.

Azaleas for Christmas

To have these plants right for Christmas they should begin to show color about the middle of December. Keep them in a temperature of 60 to 65 degrees until it is evident that they will be in on time. See that none of them become dry at the roots. Give a spraying also at least once a day, but stop this as soon as they show color. Any growth ahead of the flower should be rubbed off. Keep them well up to the glass and turn them around once in a while to expose all sides to the sun. It is well to have azaleas in bloom ten days or a week before Christmas which will give time to harden them up. This should be done gradually until they are in a temperature of 50 degrees.

Care of Violets

Do not keep the temperature too high as violets are cool loving plants. Do not let the temperature go over 45 degrees at night and see that the soil is always kept in a moist state. Watering should be done early in the morning so they will have a chance to dry out before nightfall. Attend to ventilation with extreme care as on this depends much of the success with this crop. See that the plants are kept clean of spotted leaves. These leaves left on are sure to spread disease.

Christmas Talk

Give all foliage plants a good sponging off so they will be thoroughly clean for the holiday trade. The Yuletide festival calls for plenty of holly, laurel, lycodium, boxwood and mistletoe. Secure plenty of stock to fill pans, baskets and other receptacles. Be sure to include all the appropriate plants such as ardisias, Jerusalem cherries, oranges, lilies, cyclamen, azaleas, Ericas, callas, ferns, araucarias, palms, primulas, poinsettias, Lorraine begonias, etc. All this stock will need lots of care. They should never be allowed to suffer for want of water. Ventilate with caution when flowering

plants are out in bloom. A cooler house will finish them up in good shape.

Hybrid Perpetuals for Easter

These roses are sure to sell well at Easter. Now is the time to make a start by getting some and potting them up. For a potting mixture use any good rose compost. Pots from 7 up to 10-inch will do, according to the size of the roots. Give good drainage and work the compost well all around the roots and leave the soil well firmed. They can be placed in a deep frame until they are wanted. Of course later on they will need some strawy manure over them to keep the frost from breaking the pots. Good varieties are Captain Christy, Margaret Dickson, Fran Karl Druschki, Gloire de Burgh, La Reine, Captain Hayward, Mrs. John Laing, Baroness Rothschild, Anna de Diesbach and Magna Charta.

Lilies for Christmas

All lilies that are intended for Christmas should now have their buds on the point of opening. Where they are not thus far advanced give them heat, up to 70 or 75 degrees at night. For lilies that are sure to be out in time 60 to 65 degrees will be all right. It is always better to have them out in time so they can have a hardening off in a cooler temperature for four or five days. See that they are kept moist at the roots by frequent waterings. As the flowers open enough the pollen should be removed before it falls over the petals. Keep the lilies clean of green fly by proper fumigation, done lightly so as not to spoil the blooms.

Christmas Greens

Do not fail to have a plentiful supply of Christmas greens. It always pays to offer Christmas greens of the highest quality and now is the time to place your order. When received give it a cool moist place.

Next Week:—Chrysanthemum Stock Plants; Winter care of Palms; Orchids; Propagating Bouvardias; Winter Protection; Making Flats.

FOR A BIG BUSINESS

THE TENTH ANNUAL HOLIDAY *and* SOUVENIR NUMBER of
HORTICULTURE

Will be issued under date of **December 12.** Make good use of it if you have anything to sell. For Getting Business That Is Worth Getting It Has No Superior

Arenaria



Courtesy of Harry A. Dror

ARENARIA MONTANA

Belonging to the order Caryophyllacæ the genus *Arenaria* comprises a remarkable number of handsome garden species of highly ornamental merit. In the main, being hardy herbaceous inhabitants of the high altitudes of European mountain regions, their characteristics consist of a low creeping growth and a wonderful resistance of the dense verdure of a diminutive foliage. All the cultivated kinds have been, for the principal part, inmates of the rock gardens. Today the advanced class of American garden lovers more and more realizes that the only opportunity for enjoyment of a host of extremely attractive hardy flowering perennials is the rockery and to a lesser extent the dry-wall. Not the customary stone heap on the open lawn or in the shade of a tree-grove but the rock garden ascending along a natural slope or an embankment; the rockery in rugged but nevertheless artistic construction by its irregular pockets and nooks, by its boulder-strewn declivities, serving as a fitting receptacle for a wonderful variety in rich beautiful colors and interesting forms of ornamental plant life. Not the rock garden of Japanese make with Oriental stone idols and foreign inscriptions, with a vegetation restricted to the native plants of the land of its name, but the American rockery, built by ourselves as the sanctuary of the plant lover in which he may, without the least restriction, cultivate and enjoy a wealth of blossoms of fairest hues regardless of their nativity. Experience in this field soon reveals the fact that self-interest, self-action and the exercise of individuality on the part of owners is the best guarantee for success. For this reason it becomes at present part of our business to crystalize interest and kindle the enthusiasm in this direction among our garden owners.

Of the *Arenarias* in cultivation the variety *grandiflora* is covered with snow-white blossoms during May and June. *Arenaria Rosani*, syn. *A. graminifolia*, mid-summer-flowering, is distinguished by hirsute foliage; likewise appear the dark-green leaflets of *A. rotundifolia* highly attractive. When in flower they are buried under a cover of white. The blossoms of *A. rupestris* remind us of those of *Gypsophila repens*. *A. caespitosa* resembles a vivid green carpet bedecked in spring with legions of small white flowers. The best of all the sand-worts, however, is *Arenaria montana*. Our illustration shows a single specimen in full bloom. This variety with its abundance of large white flowers is a gem for

the rock garden and proves invaluable for the dry-wall.

Arenarias require full sun and prefer a light sandy soil. Beware of excessive moisture, particularly during winter. Protect by a light leaf covering. Propagation is mostly done by division.

Glenside, Pa.

Richard Rothe

Caryopteris Mastacanthus

Caryopteris Mastacanthus, the Blue Spiræa, a member of the family Verbenacæ, was introduced into this country from Europe where it was first disseminated by Messrs. Veitch. In Japan it is said to grow on the borders of old fields and on the summits of mountains. The plant belongs, however, to China where it was discovered by Robert Fortune many years ago.

Although more in the nature of an herbaceous perennial the Blue Spiræa is really a sub-shrub, and it should have a trial everywhere. It is a much branched shrub resembling the *Ceanothus* in look. One of its greatest attributes is the fact that it blooms so late in the season, flowering profusely during September and until heavy frosts, when other plants are beginning to look "seedy." Its flowers are borne in large clusters in the axils of the leaves and although individually small the corymbs are sufficiently large and abundant to be conspicuous. The flowers are of a lilac-blue shade, a color hard to find on other plants at this season of the year. The inflorescence is slightly fragrant. The leaves are of a good green above and hoary white beneath. When bruised they give off a strong aromatic odor.

Caryopteris has a reputation of not being any too hardy in the neighborhood of Boston, but with slight protection in ordinary winters it will survive in this latitude. Even if one has to go to the trouble of lifting the plants and storing them in a pit every winter they are well worth the trouble, for their character is so distinct and striking. As far south as Philadelphia it has been known to kill back but this is not to be feared as the flowers appear on the present season's growth and the killing back merely acts as a severe pruning and tends to make the plant more bushy and, of course, makes more flowers the following autumn. If it is feared that the stock will not survive the winter it pays to take in the young plants or only a few of the collection, for as it is easily propagated, a new collection can be quickly produced. If plants are brought in they should be wintered in a cool frame or cool storage pit.

This plant is easily propagated by cuttings, by division or by seed, and thrives in any good garden soil. It requires plenty of water during the summer, but when in flower it succeeds without any water whatever. Instances have been cited where there was no water applied to the plant during a drought of nine weeks in August and September, and still it came into bloom and the flowers were as beautiful as if the plant had received its full complement of moisture.

The shrub attains the height of three to four feet and is of spreading habit. For use where its color is needed in the shrub border or in selected places in the garden it will be found very valuable. It is sometimes surprising that a shrub of this character is so often overlooked when a planting scheme is being made out.

Hubert H. Canning

Jamaica Plain, Mass.

Beauty is Wealth—Therefore Raise a Lot of It and Be Rich

The love of the beautiful is ingrained in the soul. It is a prophesy of our resplendent future. For when we stand on the margin of the glorified vastness of the universe, which will rise before us as Canaan rose to the view of Moses on Pisgah, we will find all things created on the lines of harmony and beauty. We find many things to feed the soul as well as the body. A kind Providence looks beyond our material wants to minister to the immortal within us.

The beautiful dawning of the day which broadens over the earth, uncovering its loveliness, revealing the landscape, forest, and plain, and the glowing sunsets when the western sky is painted with molten gems, the sweetness of the garden and the gentle wooings of Nature are all for the soul. Had God looked simply to feeding the body He might have left out these embellishments with which he has adorned the earth. Much of the world's wealth ministers to our higher natures. We might live on in sod or log houses, and eat and toil and sleep and be strong and plod on with no higher aims. But we can't do it. There is that within us which is clamoring for more.

I have visited many of the estates of the rich and what immense sums are expended for the adornment of home and the home grounds. Every flower which can be made to bloom, every tree and shrub suited to the climate is procured. The most skillful gardener has charge and he is never stinted in his work. And God loves it all and sets the secret forces of Nature to work and there is bloom, beauty and gladness everywhere.

We need to urbanize the country and the time is not far off when the farm will be a suburban estate on a grand scale. The home will have the comforts of the city with the addition of all out-of-doors—with broader vistas, plenty of room, and no such sense of suffocation as you feel in the city.

If you have a home and grounds you cannot get rich faster than by raising beauty. I have known instances where men have refused \$100 for a silver blue spruce which cost but \$5.00. A neighbor has one six years old which flashes its silver sparkles in the sunlight. He paid only \$1 for it. I have seen the shapely silver cedar from the Rockies the sheen of which was of daz-

zling brightness, beautiful and symmetrical. It won exclamations of delight from all that saw it. Money could not buy it. Years ago the Thurlows of Massachusetts paid \$20 for 1,000 seedlings of the concolor. In 11 years three of them were sold for \$100 each.

There is a Rocky Mountain silver fir growing on the Hummewell grounds at Wellesley, near the college—one of the most charming trees that ever grew. Money could not buy it, yet \$5 would put a two-foot tree of the same variety on your grounds. I look out of my window and see three trees I myself brought from the mountains and gave my son and those trees add hundreds of dollars in value to the place. There is that famous Japanese tree lilac at the Arnold Arboretum at Boston. When 20 years old from seed it measured 30 inches around, three feet from the ground. Could anyone buy it? A gentleman in St. Joseph has a Chinese tree lilac 17 years old. It is eleven inches through and 25 feet high. It is destined to be over a foot through and 50 feet tall. It is often overwhelmed with great masses of snowy white and sweet-scented flowers. The man would as soon think of selling his home as that tree.

When we come to perennials we find that there are Golcondas and Eldorados in the floral world. Grand Festiva maxima now 60 years old has been worth much more than a million dollars. Other peonies of rare merit bring fabulous prices and as they double every two years you have a splendid investment. A gentleman bought the famed Monsignor Iris which originated in France. He got three for three dollars. In four years he had 50 which he sold for \$1 each till he had to stop. The Iris is the flower of the future. Take some of the new varieties and they are of bewitching loveliness. And you get ten from one in two years, often more. Flowers, shrubs and trees have not only a cash value but a sentimental value which it is hard to estimate. It goes away beyond dollars.

So we repeat our slogan, *Beauty is wealth.*

C. S. Harris.

York, Nebr.

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HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—Simplicity in Flower Arrangement	
NOTES ON CULTURE OF FLORISTS' STOCK—Azaleas for Christmas—Care of Violets—Christmas Talk—Hybrid Perpetuals for Easter—Lilies for Christmas—Christmas Greens—John J. M. Farrell.....	785
ARENARIA—Richard Rother—Illustrated.....	786
CARYOPTERIS MASTACANTHUS—Hubert M. Caning	786
BEAUTY IS WEALTH—C. S. Harrison.....	787
CLUBS AND SOCIETIES:	
Society of American Florists—National Association of Gardeners	790
American Sweet Pea Society—Florists' Club of Philadelphia—St. Louis Clubs and Societies.....	791
Maryland Week in Baltimore.....	797
GROW NURSERY STOCK IN THE UNITED STATES—T. D. Hatfield	792
CHRYSANTHEMUMS FOR EXHIBITION—William Vert	793
OBITUARY—David Y. Mellis.....	794
SEED TRADE—Chicago Seed Notes.....	798
THE POTASH SUPPLY—H. A. Huston.....	798
OF INTEREST TO RETAIL FLORISTS—Simplicity in Floral Arrangement.....	797
The Retailers' Business Calendar.....	800
Flowers by Telegraph.....	801
Altar Decoration for Pan-American Celebration, Illustrated	802
New Flower Stores—Christmas Orders by Telephone	803
NEWS ITEMS FROM EVERYWHERE—Knoxville, Tenn.	791
Boston, San Francisco.....	802
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Cincinnati.....	805
Knoxville, New York, Philadelphia, San Francisco, St. Louis	807
Washington	812
DURING RECESS—Chicago Bowlers—N. Y. Florists' Bowling Club	812
MISCELLANEOUS:	
Personal	789
Transplanting American Holly.....	789
A Modern Hitchings House—Illustrated.....	789
News Notes.....	789-801-803-812
Business Troubles	794
Visitors' Register	814
Greenhouses Building or Contemplated.....	814
Patents Granted	814

Valueless diplomas

Judging from the freedom with which some of our generously disposed horticultural societies and florists' clubs are dispensing certificates of merit and other diplomas of high degree to all sorts of exhibits it will

not be long before all the value of these once-prized honors will have vanished. There was a time when such winnings were proudly displayed by a grower as indisputable proof of exceptional skill. Now, as passed around in some places, they may mean that or they may mean nothing more than a pleasant little compliment on the part of the judges. It is not well to cheapen such trophies until there is no longer any incentive to work for them. If you give the highest award in your power to some common production, what form of outstanding approval can you bestow upon an exhibit of remarkable merit? We think there is room for vast improvement in the methods of some organizations in this respect if they expect their diplomas to be regarded as worth the paper on which they are printed.

The fertilizer problem

An interesting note on the foreign potash supply will be found in another column of this paper. As the writer of that communication truly says, "the interruption of traffic has not made American soils or crops any less hungry for potash," and explanations of the causes of the present scarcity of this material will not satisfy the plant's hunger. Among the many effects, direct or indirect, of the war in Europe none have so important a bearing upon the horticultural industries of our country as this almost complete stoppage of the potash shipments from Germany. At present it is true that a small quantity is coming forward and these receipts have been looked upon as indicating an approaching return to normal conditions but when we consider that at this season of the year the German Kali people should be shipping about 175,000 tons a month the arrival of a few tons more or less is of small moment. So the problem is still with us, a minor matter commercially as compared with the needs of the great agricultural interests, but still serious enough in horticulture to cause much trouble if other sources of this indispensable plant food are not found.

Potash resources of the United States

The American people have been very wasteful of their natural resources, and in none more than in the rich top soil of their lands, the fertility of which has been exhausted, one section after the other. From now on great crops can only be assured by more scientific culture and restoring to the soil those essential elements of which it has been robbed so recklessly. Nitrogen, phosphorus and potash must be had for this purpose. All these elements are present in enormous quantities, the great problem being to get them in practical available shape. The Department of Agriculture at Washington has been working to this end for some time past and with results more or less encouraging, even to the extent that it is confidently asserted that it is a matter of time only until there will have been developed a great American industry on the Pacific coast capable of producing over six times the present consumption of soluble potash salts in the United States, or something more than the world's present total production. An enterprise at Searles Lake, California, promises that when appliances now in course of construction are completed the output will be between 30,000 and 40,000 tons a year. The most promising American source of potash, however, according to official information sent out this week by the U. S. Department of Agriculture, is the annual crop of giant kelps aggregating an area of nearly four hundred square miles. Full details on this and other American fertilizer resources are given in the report of the Bureau of Soils, which has just been issued.

Personal

Thomas Henderson, formerly at Mendon, Locust Valley, N. Y., has accepted a position on the Eastman estate, Tarrytown.

Mr. and Mrs. S. J. Reuter of West-erly, R. I., returned from their stay in Germany on the Rotterdam, on Tuesday, last week.

Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, has just returned from a highly successful business trip almost across the continent.

We regret to say that Patrick Welch, president-elect of the Society of American Florists is still confined to his home in Dorchester, Mass., with a severe rheumatic trouble from which he has been suffering for several weeks past.

Last week Mr. and Mrs. Harry Balsley of Detroit enjoyed a honeymoon trip which included a stay in Boston, New York, Philadelphia and other eastern cities. While in Washington they were guests of William F. Gude and saw most of the points of interest.

George Waldbart, one of St. Louis' well-known retailers, was held up on Saturday night, Nov. 28, near his home by robbers, who got \$45 in bills but overlooked \$300 which he had secreted in an inside pocket. George got a scalp wound that will keep him indoors, so the doctor says, for about ten days.

George M. Stumpp, Sr., who was in southern Germany at the time the war began is still there and writes that he will remain through the winter. His auto has been returned to him. He has spent most of the time this fall working in the fields helping his neighbors gather in their crops.

TRANSPLANTING AMERICAN HOLLY.

Editor HORTICULTURE:

I have a friend, head of several large manufacturing plants, who has cared for plants and flowers from boyhood. For years he has had holly plants transplanted from the wild state. I do not remember of his loss of even one. The plants have averaged over six feet. His place is situated just over the ridge of the bluff, 225 feet above the north end of Narragansett Bay, the ridge sloping for one-half mile to the water, at the west, and exposed to the full blast of winter wind. Beside good care, he removes all foliage at time of transplanting.

His holly plants show as large berries as I have ever seen come from Maryland or the Carolinas.

FRANK BUFFINTON.

Fall River, Mass.

NEWS NOTES.

Hartford City, Ind.—Robert M. and Henry B. Henley have purchased the Leach greenhouses.

New Rochelle, N. Y.—Mayor Griffing has appointed a new park board with J. H. Troy as chairman.

A MODERN HITCHINGS HOUSE.



EXTERIOR VIEW.

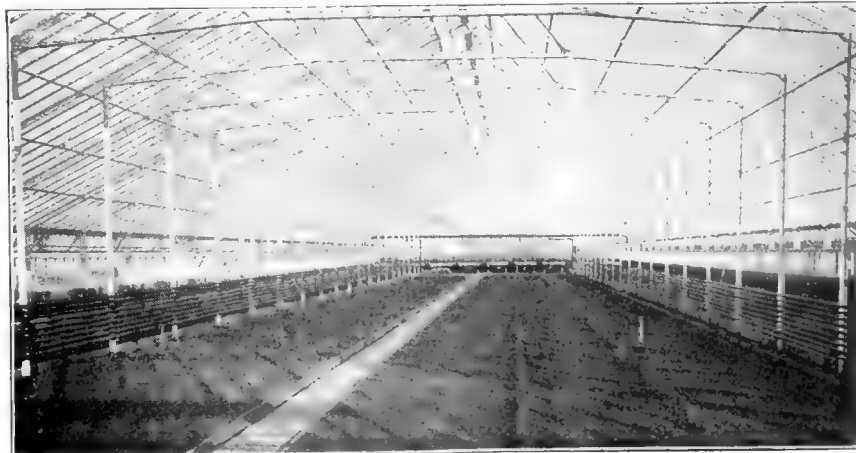
The accompanying illustration gives exterior and interior views of the modern house recently erected by Hitchings & Co., of Elizabeth, N. J., for G. H. Sinclair of Holyoke, Mass., at his new place in Smiths Ferry, Mass.

The house, which is of the most up-to-date construction in every particular, is 60 feet wide and 400 feet long. On one side it is connected to the service building by a 10 feet by 25 feet passage. Directly opposite this passage a gable was built for future connections, as it is Mr. Sinclair's intention to erect several more houses of the same size parallel to the one shown.

The house is of flat-rafter iron-

thick concrete wall to the ground. There are two lines of roof ventilating sash which are both operated from the same walk throughout the house. An important feature of the ventilating apparatus is the Tell-Tale Device which is attached to each machine directly above the hand-wheel. This device shows accurately in inches the amount of opening being given the roof sash.

The house is heated by a gravity steam system, and as it was possible to place the boilers, of which there are two, below the greenhouse floor level there was no necessity of installing traps or any other mechanical means of returning the condensation to the boilers. One-half of the house is



INTERIOR VIEW.

frame construction and there are only two supports across it, giving an unbroken space 34 feet wide between the columns. The central span is supported by a compression truss composed of double angles. The columns are of double angles riveted together, and all of the different members are connected to each other by steel gusset plates. The side posts and rafters are in one piece from the ground line to the column; the roof pitch being obtained by bending the rafters while at white heat. The side posts are bolted to heavy flanged bases.

The galvanized "Z" shaped eave plates are 7 feet high, and the sides are arranged for continuous side ventilating sash directly below the eaves, solid glass below the sash and 5-in.

benched for carnations, and in this end the heating pipes are placed under each bench, and along the sides. The other end of the house was left open for sweet peas, and the heating coils are carried on the side walls and columns; the returns being placed in a trench which runs both lengthwise and across the house.

The service building and boiler house is built of cement blocks, and the chimney is of radial brick. The service building contains ample working and storage space, and also very commodious quarters for two men. Hitchings & Company had the contract for the entire job, with the exception of the service building and chimney, which were built by a local contractor.

Welch Bros.' Xmas Goods

ARE you looking for good value in Flowers? We are in a position to give you the best to be had. If you buy our stock we can assure you that you will have the satisfaction of getting quality that is bound to please you and your trade. Therefore take no chances at this season, and let us fill your Christmas orders.

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New crop now ready to be shipped immediately on receipt of order.

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CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS & ORNAMENTAL HORTI- CULTURISTS.

Affiliation.

At the convention of this Society held in Boston last August, the following recommendation of the Executive Board was adopted, and added to the Constitution and By-laws of the Society:

"1. That clubs, societies or kindred organizations of professional florists, gardeners and horticulturists, having a paid-up membership of one hundred or more members in the S. A. F. & O. H., shall be entitled to one representative on the Board of Directors of the S. A. F. & O. H.

"2. Such representative shall be the president of such organization and must be a member of the S. A. F. & O. H.

"3. Any elective officer or appointed director of the S. A. F. & O. H. shall not be eligible as a representative of such organization.

"4. When the president of any such organization is already a director, the vice-president shall be eligible for the office.

"5. Any organization applying for representation shall submit to the secretary of the S. A. F. & O. H. a complete list of its membership. It shall be the secretary's duty to confirm same and submit it to the presi-

dent for final confirmation. Such list shall be in the hands of the secretary by December first of each year. Announcement of such director shall be made by the president-elect on January first of each year."

A number of florists' clubs and horticultural societies having a membership which would allow of their becoming affiliated with the Society, have already made application for affiliation, and have filed the necessary list of membership. Any eligible organization not already affiliated should lose no time in complying with the above rules.

Department of Plant Registration.

Public notice is hereby given that Charles Borrmann, 338 High street, Buffalo, N. Y., offers for registration the seedling Geranium (zonal pelargonium) described below. Any person objecting to the registration, or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description—Seedling Geranium, La Favorite x Detroit; color, the same shade as Bridesmaid rose; habit dwarf; leaves stocky, having a deep zone.

As no objections have been filed, public notice is hereby given that the registration of the Begonia Mrs. J. A.

Peterson by J. A. Peterson, Cincinnati, Ohio, becomes complete.

JOHN YOUNG, Sec'y.
53 W. 28th St., New York.
November 28, 1914.

NATIONAL ASSOCIATION OF GARDENERS.

A meeting of the executive committee of the National Association of Gardeners, consisting of its trustees and directors, will be held at the Hotel Walton, Broad street, Philadelphia, Pa., on Wednesday forenoon, December 9th, at eleven o'clock.

The bowling committee announces that all members intending to enter the bowling tournament at the convention of the National Association of Gardeners must register at the business meeting in Horticultural Hall on Wednesday afternoon, December 9th. The business meeting will be called to order promptly at 2 o'clock. The bowling tournament will take place Thursday forenoon, December 10th.

The dinner committee has set the price at \$2.50 per person for the annual banquet of the association, which will occur in Horticultural Hall on Wednesday evening, December 9th. Mr. David Rust, Horticultural Hall, Philadelphia, Pa., should be advised without delay by those members who will attend the banquet so that proper provision can be made for them.

Exhibits of novelties, specimen plants and cut flowers of the newer va-

rieties, should reach Horticultural Hall before noon on Wednesday, December 9th. They should be sent, express prepaid, to National Association of Gardeners, care David Rust, Horticultural Hall, Broad and Locust streets, Philadelphia, Pa.

Several of the prominent horticultural firms in and about Philadelphia are arranging to entertain the visiting members at their establishments during the members' stay in Philadelphia.

The Hotel Walton will be the official headquarters of the association during the convention.

M. C. Ebert, Sec'y.

AMERICAN SWEET PEA SOCIETY.

A meeting of the executive board of the American Sweet Pea Society was held at the offices of Peter Henderson & Co., New York City, on Tuesday afternoon, Nov. 24th, with W. Atlee Burpee in the chair. The principal business was the arrangements for the shows to be held during the coming summer. It has been arranged that two shows be held; one in San Francisco, the other in Newport, R. I. The dates for the San Francisco show have not yet been fixed. The Newport show which is to be held under the auspices of the Newport Garden Association and the Newport Horticultural Society, in the Newport Casino, will open on July 8th, and continue through July 9th. A very liberal preliminary premium list has been prepared and issued by the Newport organizations, which includes a large number of open classes. Copies of this preliminary schedule may be obtained of the secretary, Harry A. Bunyard, 342 W. 14th St., N. Y. City. The preliminary schedule of the American Sweet Pea Society will be issued about January 1st.

HARRY BUNYARD, Sec'y.

W. Atlee Burpee & Co. have offered the following special prizes, open to private gardeners and amateurs, to be awarded at the American Sweet Pea Society's show at San Francisco, next summer:


For twelve vases of Sweet Peas in twelve distinct varieties, to include at least three of the following: Burpee's Florence Nightingale, Burpee's King White, Burpee's Orchid, Burpee's Wedgewood, Burpee's Illuminator and Burpee's Mrs. Rautzahn; 1st prize, \$25.00; 2nd, \$15.00; 3rd, \$10.00.

FLORISTS' CLUB OF PHILADELPHIA.

Professor Sheldon, The Area Institute of Technology, Area, Illinois, was the speaker at the regular monthly meeting of the Florists' Club of Philadelphia, held December 1, his subject being "Business Building." The lecturer was introduced in a few eloquent and inspiring words by Charles Henry Fox, and held his audience for two hours. A resolution was passed extending privilege of membership during their convention this month to the National Association of Gardeners and the Society for Horticultural Science. The gardeners will have their annual meeting in the lecture room at 2 P. M. on the 9th. At 7 P. M. the annual banquet will be held in the foyer. The following day there will be bowling games for the ladies in the Florists' Club, and later at the same place for the gentlemen. The next day (Thursday) will be devoted to visiting nearby places of interest. It is under-

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stood that Andorra Nurseries is one of the special places that has extended a welcome; but we have not heard authentic details. John C. Gracey, one of our newly elected officers from the retail end of the business presided in the absence of president George Burton and performed his duties with much tact and dignity. The meeting was held in the lower hall instead of the club room—this no doubt being inspired by a feeling of courtesy from the hall management.

ST. LOUIS CLUBS AND SOCIETIES.

The St. Louis Florist Club holds an important meeting Thursday afternoon, Dec. 10, in Odd Fellows Hall. All members are requested to attend as the discussion and final vote on the Spring Flower Show will be held.

The Lady Florists' Home Circle will meet at the home of Mrs. G. B. Windler, 4059 Delor street, Wednesday afternoon, December 9, for their monthly Coffee Klatch.

The City Park Department employees have organized a club with 250 members enrolled. All members must be connected with the department. The officers are L. Kittlous, president; Joseph Peisch, vice-president; Hugo Schoff, secretary; John Moritz, secretary. Monthly meetings will be held.

The regular bi-monthly meeting of the Southampton (N. Y.) Horticultural Society was held Thursday evening, Nov. 19th. This was to have been a sort of opening meeting for the season, a starter for next summer's show. Plans were to have been discussed

looking forward to that event but owing to a very severe storm there were only a few present. Notwithstanding that fact we had a very interesting and profitable meeting. W. L. Jagger, head of the local weather bureau, read a paper on the horticultural and general growth of Southampton. He compared the place fifty years ago with today, dotted over with fine summer residences. Mr. McCullam, a professional tree mover, gave us a very interesting talk on moving large trees. After the business was over refreshments were served and we spent a very pleasant social hour.

D. T. WELLS.

KNOXVILLE, TENN., NOTES.

C. L. Baum expects to disseminate Dr. Sam, his white seedling carnation, next year. He is also much pleased with his new yellow sport from Chas. Razer chrysanthemum, Lena Baum.

C. W. Crouch, who has been in Louisville, Ky., for some time, has returned home and is making arrangements to spend the winter in Florida.

As a specialty, A. H. Dailey has on display in his window an assortment of baskets filled with roses, which are no doubt finding ready sales as different baskets appear in the window every day.

Addison J. McNutt's place being in the City Market house, he was forced to close about 11 o'clock, but this did not injure his Thanksgiving business any, as all stock was gone before this time.

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HARDY FERNS. Per 1000..... 1.50
GALAX, Brown and Green. Per 1000, \$1.25; per case.... 7.50
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PRINCESS PINE ROPING. Well made, 8c. per yard.
LAUREL WREATHS. 12 inch rings, outside measurements 18 to 20 inches, \$2.00 per dozen.
RUSCUS, Red. Imported, per lb., \$1.00; Domestic, per lb., 75c.
CHRISTMAS BELLS. 5 in., per doz., \$2.00; 3½ in., per doz., \$1.00; 2½ in., per doz., 75c.

CHRISTMAS BALLS. 8 in., per doz., \$6.00; 6 in., per doz., \$4.00; 4 in., per doz., \$2.00.

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GROW NURSERY STOCK IN THE UNITED STATES

Editor HORTICULTURE:

Mr. Benard's paper read before the California Association of Nurserymen at San Diego, set me thinking. I said, Why not grow nursery stock in Massachusetts? The opportunity is just as good here, and for some kinds, much better. We have an example of what can be done near Boston—the Little Tree Farms of So. Framingham. Although this farm grows large quantities and sells them cheaply, they are specialists in a few things, conifers, mostly pines, spruces and firs—large quantities of these are still imported from Europe.

The European war is not the sole opportunity. It has been a long time, and foreseen; not the war, but the opportunity. In one department of horticulture,—the raising and culture of carnations,—we have led the world for a long time, and we are rapidly becoming leaders in sweet peas and gladioli. We are sadly behind, however, in the raising of nursery stock. Two reasons have been given; one is the cheapness of labor abroad, and the consequent cheapness of stock; the other is the difficulty of getting experienced help. There should be no difficulty in getting experienced help. There are plenty of men in the country ready to take up such work, and competent men, too. If such men be well paid,—and they should be,—I am sure I could find plenty of them.

I presume in this work, as in all such work, you would need what we call specialists. All-around men are not just the right sort. One man may be specially clever in raising seedling stock, another, cuttings, grafting and budding, although this work can be readily done under the oversight of a competent man, with inexperienced help. The matter of raising seedlings, however, is a more scientific operation, and needs a little more than oversight; it needs knowledge and skill by a greater proportion of those who may be employed in the work.

Raising plants from seeds is, in a way, an intuition. We have got to feel, besides know, and the operations attending the work must be well up in details. As an illustration, a batch of seedlings may be ruined by half an hour's sunshine, or too much water, and by lack of air.

The Arnold Arboretum, I think, may be rightly called a school of horticulture, and among schools of horticulture it occupies the premier place. The master minds are Prof. C. S. Sargent and Jackson Dawson. In this connection it is not necessary to do more than mention them. In their field of work they are known the world over. Nearly all trees and shrubs that are hardy in Massachusetts and farther north, are represented here, and a large majority of them have been raised here. The work is still going on as vigorously as ever. Horticulture is benefited throughout the civil-

ized world and representatives from all the countries come here for study. Alfred Rehder, one of the greatest authorities on plant nomenclature, was a student here and is still here—a professor in this part of the work.

As to those who have forseen the opportunity I could mention one Boston firm. About ten years ago one of the partners of this firm spoke to me about raising rhododendrons from seed, and I had the pleasure of co-operating with him in the beginning of this venture. Now the firm raise azaleas and rhododendrons by the tens of thousands. Incidentally, I would suggest that raising rhododendrons from seed saved here, will (and I believe from my experience that it does) tend to harden the type. And in time to come we shall depend altogether on American raised rhododendrons.

It appears to me, however, that the nurserymen of the United States are not taking advantage of what is done for them at the Arboretum. To repeat, propagation and cultivation from the very start is practiced here, and the methods employed are open to investigation. So here, if any nurseryman wants to know what is best to grow, and how to grow it, he can find out.

A propagating department should be an annex to every well-managed nursery. With this idea in view, I suggested to Prof. Bailey, when he talked about revising his Encyclopedia of

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American Horticulture, that he have two departments relating to the propagation of plants; one from seed, the other to include all other methods. The propagating department should be in charge of a well-equipped superintendent, who besides following the lead of his employers, should be unhampered as to methods,—be given a free hand, so to speak,—experiment with new subjects, ultimately or not to be added to the regular list. Sometimes subjects have to be abandoned, but it is a progressive way, and every enterprising firm should encourage such a forward move. If you look at nurserymen's catalogues, you will find practically the same things offered in each. I claim the reason for this is to be found in the dependence of all on a common source of supply—Europe.

The man who raises seeds must know when and where to get his stock supply. He will have to do some collecting himself. An interested man will always be on the lookout for new, rare or valuable kinds. He must know how long they take to germinate, how and when to sow them, whether in heat, or cold, and especially those that need freezing.

The care of young plants should be his, until they are ready for permanent quarters. There is a time in the life of seedling stock when the mortality is great. From freezing and thawing in winter time many are lost, not because they are not hardy, but because they need protection to carry them along until they have a permanent foothold. Unfortunately, the need of this extra care is given, indirectly, maybe, as an excuse for not venturing in this field of activity.

For these and all other methods of propagation, proper quarters should be found.

T. D. HARTFIELD.

Wellesley, Mass.

CHRYSANTHEMUMS FOR EXHIBITION.

A Paper by William Verr, of Castle Gould, Port Washington, N. Y., read before the Chrysanthemum Society of America, at Indianapolis, Ind.

After the shows are over, look to your stock for the coming year. Select as many good healthy shoots as required, seeing that each variety is labelled correctly; keep clean from mildew and fly; and when the propagating time is at hand select the sturdy cuttings and insert in the bench already prepared, watering in thoroughly. This will carry them for a few days, besides firming the cuttings. Keep them sprayed lightly to guard against wilting. They should be rooted in about three weeks; then pot up in two or two-and-a-half-inch with a nice light compost, but do not firm sufficiently to injure the roots. As soon as they are established give an abundance of air to keep them firm and sturdy, but never allow them to become root-bound.

It is essential to have the pots thoroughly clean in order to transfer them without injury. Repot into 4-inch pots with a nice compost consisting of three parts fibry loam to one part leaf soil and one part decomposed manure, adding charcoal, wood ashes, sand, etc. Place in a house or frame and keep closed for two or three days. Many people bench from 4-inch pots, while others prefer the pot-grown, which latter I am strongly in favor of. When

they become nicely rooted, repot into 6-inch pots, using practically the same compost, but coarser, besides adding a little bonemeal. Keep a sharp lookout for mildew and fly; also to the disbudding. Should they not show a natural break at this stage, it is policy to pinch in order to encourage next break.

When the pots become well filled with roots an occasional watering with diluted liquid manure, or soot water may be given with advantage. A spraying overhead with the latter is also beneficial as an insecticide and stimulant.

See that the plants are hardy and well-rooted before placing into final pots (7-inch to 9-inch). Perfect drainage is most essential. The soil should be well rammed, allowing a space of 2 inches for watering and top dressing. For compost use four parts fibrous loam, one part leaf soil, one part decomposed manure, adding lime rubble, wood ashes, charcoal, sand, soot, and allowing a 6-inch pot of bone or bone meal to each of loam. Feeding may be commenced as soon as the roots are found to be running freely, by applying weak doses of liquid manure water. Change the feed sometimes as time goes on, using chemical manure such as Clay's, Bon Arbor, etc., which will be found most beneficial if used with care and according to directions. Never apply manure when a plant is dry.

About the middle of June some varieties not making a natural break such as F. S. Vallis, Harry E. Converse, Mrs. Lopes, etc., will need pinching to make them produce bud early in August. This allows about six weeks for the last break; later varieties should

HOOSIER BEAUTY

The New Rose for 1915

If you need a more profitable red rose than the one you are growing, Hoosier Beauty is your variety. It is as fragrant as Richmond. Has more petals. A stiffer stem. A texture like velvet. In color glowing crimson scarlet with darker shadings. The bud is of good length, ships well in the close-cut state, and opens into magnificent bloom, quite dazzling in brilliance.

As soon as thoroughly established in the soil it sends out long stiff growths with a bud on every shoot. It does not need to be pinched like Killarney or Richmond but produces naturally, stems 2 to 3 ft. in length; each plant keeps up a very close succession of bloom, and again unlike Richmond it is a good summer rose.

It is a clean grower, shows very little inclination to "spot" or mildew; indeed the variety is quite clear of both. It is an easy doer, grows side by side with Richmond and Killarney, and has become instantly popular and in heavy demand in the four cities where the blooms have been sold, flower-buyers through the section calling for it by name.

We are describing the rose very fully in response to questions asked us by intending purchasers. So free in both growth and production of bloom is it that it is already recognized as having the qualities of a

Great Commercial Cut Flower Variety.

We have splendid own root stock propagated in September and now in fine condition for distribution, while our grafted stock is worked on the highest grade of British manetti procurable.

PRICE

Own Root — \$30 per 100; \$250 per 1000

Grafted — \$35 per 100; \$300 per 1000

Ready March 1st

FOR SALE BY

and

The E. G. Hill Co.
RICHMOND, IND.

F. Dorner & Sons Co.
LAFAYETTE, IND.

be timed accordingly. About the tenth of August many of the buds will be ready for taking. About this date it is safe to take all buds as soon as they become large enough to handle without injury. In disbudding discretion must be exercised by removing a few at a time. Keep the plants nicely staked, tied and clean.

After the buds are secured look out for their worst enemy, the red spider, which will give considerable trouble if they once get into the blooms. To avoid this fumigate once a week until buds show color; continue spraying foliage on bright days, avoiding the buds, which will rot if the water is allowed to settle in them. Also beware of the hairy caterpillar which will ruin the foliage. Shade is sometimes necessary to guard against the burning of the petals during hot bright days, the bronze and red varieties being more susceptible to burning than the other colors.

Cut blooms intended for exhibition are greatly benefited if put in water twenty-four hours before shipment. In packing, the blooms travel much better if wrapped with a full sheet of soft tissue paper, which is quite easily done by slitting the paper at the fold, inserting the stem in the slit just below the bloom, then gathering the folds and fastening at the top of the bloom with a gentle twist. For blooms intended to travel a distance, it is policy to wrap the end of the stems with wet moss, or use the regular Wells' patent tubes. I find the most serviceable box for shipping to be 6 feet long, 22 inches wide, and 12 inches deep.

In staging see that all blooms are

fresh, unblemished, and preserve as much foliage as possible in the long stem classes, as fresh blooms with good foliage generally capture the most points. Make sure that each variety is correctly labeled.

OBITUARY.

David Y. Mellis.

David Young Mellis, president of the Greater New York Florists' Association, and widely known in the florist business for more than thirty years in Flatbush, Brooklyn, N. Y., died Saturday night, Nov. 21, at his home, 3421 Snyder avenue, after a long illness. He was born at Stanley, Perthshire, Scotland, April 19, sixty years ago and came to Brooklyn thirty-five years ago. He built up a prosperous business, being adjacent to Holy Cross Cemetery, and at his death left a very large estate as the result of his good business methods and industry. Dave Mellis made friends at once wherever he introduced himself. He was a typical Scotchman of unwavering integrity and straightforward in manner and method. He often bowled with the Flatbush Club in years past and was a prime favorite at the S. A. F. conventions and elsewhere among the active florist fraternity. He leaves his wife, three daughters and two sons.

Cincinnati.—J. T. Conger, opened his temporary Third street salesroom last week. He had an excellent display of begonias, cyclamen and ferns.

NOW is the Time to Buy **XMAS PLANTS**

Mine are in very best condition and you will find the prices very reasonable—Azaleas, Ardisias, Poinsettias, Primroses, Begonias, Berried Aucubas, Araucarias, Palms, Dracaenas, Pandanus, Crotons, Aspidistras, Cocos, Ferns.

Order Now and Leuthy will take good care of you.

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35,000 BERBERIS THUNBERGII
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M. P. Haendler, Prop. SO. NATICK, MASS.

Large EVERGREENS and DECIDUOUS TREES for sale

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STRATFORD, CONN.

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Buffalo, N. Y.—L. A. Elbers, florist, 722 Broadway, assets, \$507, liabilities, \$2,799.79.

"Get them at Dreer's"

SELECT FORCING RHODODENDRONS



We offer an exceptionally fine lot of Rhododendrons in the best forcing varieties. Good shapely plants, with from 15 to 25 buds, at \$10.00 per dozen; \$75.00 per 100.

RHODODENDRON, PINK PEARL

We now have the most shapely plants of this, the handsomest of all Rhododendrons we have ever handled. Flowers are very large, beautiful glistening shell-pink and in gigantic trusses. Plants with 6 to 8 buds, \$1.25 each; \$15.00 per dozen.

For all seasonable stock see our current wholesale price list.

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High grade LILY OF THE VALLEY PIPS, 1913 crop, shipped from New York. Cold Storage in cases of 2,500 pips each. Write for prices and details.

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THE FRAMINGHAM NURSERIES

200 ACRES,

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EVERGREENS,
VINES, ROSES, ETC.



FINE STOCK OF
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KALMIAS AND
ANDROMEDAS.

Send for
Price List

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WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
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Araucarias, Begonias
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Fruit and Ornamental Trees, Shrubs,
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Our New Rose Mrs. Moorfield Storey

Has a strong upright growth, the wood being very stout and smooth, with large handsome dark green foliage, practically mildew or black-spot proof. The flowers, which are freely produced, are of good size and substance with abundant petals, opening freely. The color is a shell pink deepening toward the centre with the large smooth petals tipped deep rose.

It will be a fine, yet distinct, companion for the Mrs. Charles Russell rose.

	100	250	500	1000	2500	5000	10000
Own Root.....	\$30.00	\$70.00	\$125.00	\$250.00	\$565.00	\$1000.00	\$1800.00
Grafts.....	35.00	82.50	150.00	300.00	690.00	1250.00	2300.00
Eyes.....	27.00	62.50	110.00	220.00	490.00	850.00	1500.00

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Order Now For CHRISTMAS

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ARDISIA Crenulata. \$1.50, \$2, \$2.50 to \$3 each.
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DRACAENA Terminalis. \$1, \$1.50, \$2 and \$2.50 each.
DRACAENA Lord Wolsley. \$1.50, \$1.25 each.
ERICA Frug. Melanth. 75c. to \$4 each.
ERICA President Carnot. \$9, \$12, \$15 per doz.
JERUSALEM CHERRIES. \$4, \$6, \$9, \$12 per doz.
ORANGES. \$1.50 up.
POINSETTIA Pulcherrima. Single, \$4 and \$5 a doz.; pans, \$1 to \$4 each.
SKIMMIA Japonica. \$12 to \$24 a doz.

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Why buy in the west when we can supply your wants near home, saving you expressage and loss in transportation?

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I Want Room

A surplus of S. A. Nutt, John Doyle and Perkins GERANIUMS, in 2 1/4-in. pots, \$15.00 per 1000. Other varieties, 2 1/4-in. pots, \$18.00 per 1000.

ASPARAGUS Sprenger. 3-in., \$3.00 per 100; 4-in., \$4.00 per 100.

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We grow and sell nothing but ORCHIDS. If you are in the market for this class of plants we respectfully solicit your inquiries and orders. Special lists on application.

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Cold-Storage Lily of the Valley

Owing to war conditions, good stock is scarce. Secure your requirements for holiday forcing at once. Finest selected pips, packed in cases of 250, 500 and 1000 each.

AZALEAS

We have just received a large importation of Azaleas in splendid condition, which we offer for immediate delivery and as long as unsold at no advance over prices of previous years.

We offer the leading varieties,—Mme. Van der Cruyssen, Vervaeana, Simon Mardner, Empress of India, Mme. Jos. Vervaeana, Ernst Eckharte, Niobe, Vervaeana Alba, etc., strong plants:—

12 to 14 inches in diameter.....	\$9.00 per dozen,	\$60.00 per 100
14 to 16 " " " " " " " " " " " "	12.00 " "	75.00 "
16 to 18 " " " " " " " " " " " "	18.00 " "	125.00 "
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20 to 22 " " " " " " " " " " " "	36.00 " "	
Dwarf or Miniature: Firefly or Hexe, and Chas. Encke.....	4.80 " "	35.00 "

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If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. *Cash Ready.*

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Order Your Holiday Stock Now and Have It Shipped Before Freezing Weather Sets In.
Prices per doz., per 100, per 1000, on application.

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MARYLAND WEEK IN BALTIMORE.

The 17th annual meeting of the Maryland State Horticultural and allied societies held in the 5th Regiment Armory, Baltimore, Nov. 16-21, proved a great success.

The floor space of the building being 60,000 square feet unobstructed, afforded every facility for an effective and spacious display of all exhibits. The horticultural exhibits occupied the center of the hall, being dissected from other sections by a 360-ft. circular southern smilax hedge. A pergola entrance and three exits of 15 feet each guarded by four 2-foot hollow posts, crowned with cybotiums, Phoenix Robellini, etc, were additional features.

One of the chief features of the show, a decided novelty of much merit which occupied the center of the enclosure, was the Baltimore Florists' Club vase of red cedar bark, standing 11 feet on the pedestal empty, and when furnished with 350 white and yellow specimen chrysanthemums attained a height of 15 feet and a spread of 10 feet, the base of this wonderful vase being a five-pointed star design filled with highly colored crotons and other exotics from the Baltimore Park Commissioners. The club members contributed the flowers.

The credit of designing, building and decorating the club vase all belong to Mr. Feast. The vase of 20 white, won by Chas. Siquard with Wm. Turner, proved the best in the show, the same variety being well shown also by Geo. Morrison and Gus Lotz. Wm. Turner was the peer of all the chrysanthemums. Odessa in yellow and Glenview in bronze were the best in competition.

Pompons were displayed to great advantage and their unique colors and decorative utility well demonstrated by several exhibitors, notably R. Vincent, Jr., & Sons with four standing wreaths; E. A. Seidewitz in basket and novel design competition were winners and A. N. Pierson had three large baskets well arranged for display. Maryland, the new scarlet geranium of Vincent's in wreath form proved an attraction. Well grown bush chrysanthemums in 12 inch pots were shown by Mrs. W. F. Cochran, ward. Mac Richmond.

Palms, window boxes, fern groups and miscellaneous stock were well displayed by the many Baltimore flor-

ists. The genial president, R. L. Graham, sent daily contributions of floral work not for competition. Among roses, American Beauty, White and Pink Killarney, Killarney Brilliant, Francis Scott Key, Radiance and Maryland won in their respective colors. In carnations, Georgeous, Enchantress, White and Pink, Mrs. C. W. Ward, Benora and Beacon were winners in their colors. A. N. Pierson made a glorious display of chrysanthemums and roses. Julius Roehrs Co., Rutherford, N. J., staged palms, azaleas and begonias of high merit.

T. B. Symonds, secretary of the society, was a busy and able show superintendent, being ably supported by Messrs. Geo. Morrison, Wm. Feast, I. H. Moss and Jas. Toone.

HARRY TURNER.

SIMPLICITY IN FLORAL ARRANGEMENT.

Among the recognized points of excellence in any arrangement of flowers simplicity counts strong. Too much elaboration is a common fault with florists' decorative work and in our public exhibitions, displays which are crudely overdone are always in the majority. We present the picture which appears on our title page this week as a good example of extreme simplicity in form and color arrangement no wires or other unnatural material having been used. It tells its own story.

Rumson, N. J.—The old greenhouses on the H. S. Borden estate have been pulled down and a sunken garden will take their place.



Two Favorites

"Variety is the Spice of Life." Give your customers, wholesale or retail, more variety. Remember—You may deduct 5 per cent. if cash accompanies the order.

GLADIOLUS, Colvillei and Nanus

Plant some of these among your Carnations; they will come in handy at any time.			
ACKERMANIL. Salmon orange, with white blotches, edged scarlet; very pretty	100	1000	
	\$1.00	\$7.75	
BLUSHING BRIDE. Flowers are large, pure white, with delicate pink spots. Useful for early forcing.		.60	5.00
DELICATISSIMA SUPERBA. Pure white, bright, large carmine blotch.		1.50	12.00
FAIRY QUEEN. Carmine red, white blotch.		.75	6.00
FIRE KING. Orange scarlet, purple blotch, purple bordered.		1.75	16.75
PEACH BLOSSOM. The most beautiful of all the Colvillei type of Gladiolus; the color is a lovely soft pink, on the order of the Killarney Rose.		.60	5.00
QUEEN WILHELMINA. Blush white, with conspicuous blotches of cream, with scarlet margin.		1.75	16.00
THE BRIDE (Colvillei alba). True. This lovely white miniature Gladiolus makes a useful cut flower for early Spring use; will stand forcing.		.60	5.00

SPANISH IRIS (Iris Hispanica)

You will miss some of the older varieties from the list below. It has been revised to your advantage. They are the finest varieties for all purposes.

	Top Roots		1st Size	
	100	1000	100	1000
BELLE CHINOISE. Pure yellow.	\$0.75	\$6.00	\$0.50	\$4.00
BRITISH QUEEN. Large white; very fine.	.75	6.00	.50	4.00
CAJANUS. Deep golden yellow.	.75	6.00	.50	4.00
CHRYSOLOREA. Pale yellow.	.75	6.00	.50	4.00
CZAR PETER. Porcelain blue; extra fine.	.75	6.00	.50	4.00
DARLING. Blue; very fine; early.	.75	6.00	.50	4.00
KING OF THE BLUES. Finest blue.	.75	6.00	.50	4.00
LA GRANDESSE. Best and purest white.	.75	6.00	.50	4.00
LOUISE. Pale blue, slightly spotted; fine flower.	.75	6.00	.50	4.00
MARIE. One of the best blues.	.75	6.00	.50	4.00
SNOWBALL. Very large white.	.75	6.00	.50	4.00
MIXED, ALL COLORS.	.60	5.50	.40	3.50

These prices are for The Trade only.

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SEED TRADE

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Chicago Seed Notes.

The Leonard Seed Co. is quoted as saying that all seed crops are coming in short, with the exception of onion seeds, of which there are plenty. In the case of beans, there was an abundance of pods but they did not fill, which explains the way early prediction came to be so favorable to a large crop. Weather conditions which, of course, could not be foreseen, prevented the filling of the pods and changed a big crop to a small one. Onion set conditions are normal. Quality has never been better. High prices are looked for after Jan. 1st.

As this country is not growing one-half the beet, carrot, radish and spinach seeds that it uses, a shortage in European seed crops will mean a shortage here, though the usual quantity grown here is as large as usual this year. Mr. Clark says that no seeds are being imported for the garden, that could not easily be grown in this country, and the shortage bound to come next year and in following years, on account of the war, could be taken care of here, if planned for in time.

The advance guard of the salesmen for the California seed houses have reached Chicago, and many of them finished their work and started eastward. Among the houses represented were Kimberlin Seed Co., Santa Clara, Calif.; California Seed Growers' Ass'n, Santa Clara, Calif.; Pieters, Wheeler & Co., Hollister, Calif.; C. C. Morse Co., San Francisco, Calif.; Mrs. V. Johnson, Los Angeles, Calif.; W. J. Fosgate, Santa Clara, Calif.

Mrs. Victor Johanson, Los Angeles, Calif., whose husband died two years ago, is making her first trip in the interests of the business. She is meeting with success and had some good orders on her books while in Chicago.

Notes.

For the week ending November 21, the receipts of grass seeds into the port of New York were valued at \$11,856; sugar beet seed, \$195,638; trees and plants, \$49,837.

Chicago.—A. Henderson, who has had years of experience with the selling of bulbs and was in Holland among the bulb fields when the war broke out, says that he feels sure that should we never import another bulb, the United States could produce enough to supply the trade. He says it is not a condition of soil or climate that is keeping us from bulb growing but lack of capital and the high prices of labor here. Mr. Henderson says that their business is about equal to that of last year and that his salesmen are working the field now for next year, determined to be optimistic.

THE POTASH SUPPLY.

To the Editor of HORTICULTURE:

Judging by the numerous inquiries received, we believe that a statement of the potash situation may be of interest to your readers.

At the outbreak of the war the shipping season for potash from Germany was at its height, but since then the shipments have been made only in limited quantities. The prospect, however, is that they will increase as time goes on. Potash is not contraband of war and none of the nations at war objects to its movement in neutral ships. There is, however, great difficulty in securing railway and river equipment to move it from the mines and storehouses to the coast. The mines are in good condition and enough workmen not subject to military service are available to keep them in operation.

The interruption of traffic has not made American soils or crops any less hungry for potash. Most of the leading fertilizer manufacturers have agreed to utilize their present supplies of potash in the effort to supply fertilizers with at least 2 or 3 per cent of potash next spring and the supplies on hand at the outbreak of the war were said to be sufficient for this purpose. There is, therefore, no reason why farmers should not secure some potash in their goods, although the usual 5 to 10 per cent. might not be obtained.

H. A. HUSTON.

Sec'y German Kali Works.
New York.

COLOR DISCORDS IN GARDEN FLOWERS.

The following communication comes from one of our readers who has been for many years, as he states, "a fairly successful decorator."

Editor HORTICULTURE:

In the article by Mr. Rothe on *Lychnis*, I understand his idea to be that many plants are neglected on account of shades of color not harmonizing. For many years I have had the idea that different shades of the same flower harmonize. We see all shades of geraniums together without any serious shock to our nerves. At the exhibitions of chrysanthemums, dahlias, gladioli, are we shocked at the proximity of any of the colors of the same flower? Do not many of the new varieties of chrysanthemums, dahlias, gladioli have, within a single flower, combinations we would not arrange together? Let the gardeners beware how they try to combine the same shades we see in above flowers, in different species of plants. Also they should remember that white harmonizes with all shades, and can be used to tone any objectionable color, that for other reasons should be used. We would not dare to question the good taste of the Creator, in assembling the colors and shades in the autumn foliage of our forests, swamps and thickets.

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288 Sheets Paper.....			7.50
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LYCOPODIUM WREATHS

Send for our Handy Order Sheet List of Flower Seed, Bulbs, etc., if you haven't received a copy. Just out.

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518 Market St., Philadelphia, Pa.

GLADIOLUS

		100	1000
Blushing Bride	-	\$0.75	\$6.00
Peach Blossom	-	1.00	8.00

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SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

"SEEDS WITH A LINEAGE"

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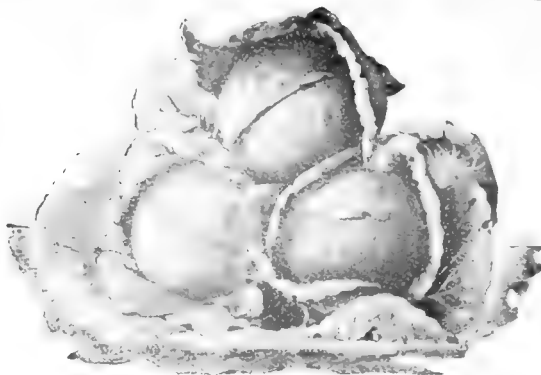
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beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm



PANSIES A SPECIALTY

Our Triumph Exhibition Mixture

is especially desirable for its variety of colors and markings. Trade Packet, 75c.; Oz., \$6.00.

Our Boston Florist Mixture

is especially adapted for florists' use. Trade Packet 75.; Oz. \$5.00. Our Trade List gives a most complete list of named varieties we carry in stock.

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Large wholesale growers of ONION, LETTUCE, CARROT, RADISH, PARSNIP, PARSLEY, CELERY, ENDIVE, LEEK, SALSIFY and SWEET PEAS.

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and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO ONION SETS
Write for Prices

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

J. W. Edmondson, Mgr. M. W. Williams, Sec'y
California Seed Growers Association, Inc.

Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

97th YEAR

J. BOLGIANO & SON

Wholesale Garden and Field Seeds,
Onion Sets, Seed Potatoes
GROWERS OF PEDIGREE TOMATO SEEDS
BALTIMORE, MD.

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

NEW CROP SEEDS

FOR FLORISTS

Ask for 1914 Catalogues

Joseph Breck & Sons Corp.

Seedsmen

47-54 No. Market St., BOSTON, MASS.

Thorburn's Seeds and Bulbs

ARE you interested in Freesia Purity Bulbs (first size) at two dollars per hundred, or twelve dollars per thousand?

Ask us about our "below-the-market" specialties and watch for our column announcements.

J. M. THORBURN & CO.

In Business Since 1802

53 Barclay Street - New York

SPIREA

NEW IMPORTATION

GLADSTONE, white \$6 per 100

QUEEN ALEXANDRA, pink, \$7 per 100

TRITOMA

2 yr. field grown, \$4 per 100; \$35 per 1000

JAMES VICK'S SONS

ROCHESTER, N. Y.

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. B. WOODRUFF & SONS 82 Dey St., NEW YORK
and ORANGE, CONN.

BULBS SEEDS ROOTS

For Fall Planting or Forcing
EXHIBITION QUALITY
Best Values in Boston.

THOS. J. GREY CO.

32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

ALEX. McCONNELL

611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Carriage Foreign Deliveries
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1552-1558 Columbus

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor.

NEW YORK CITY

AND VICINITY

A. WARENDORFF

Artistic Work. Reasonable Prices.
Prompt Delivery of Steamer Orders.
1193 Broadway, My Only Store

Myer

NEW YORK
609-611 Madison Ave.

Choicest cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in Buffalo, Niagara Falls, East Aurora, Lockport, Tonawanda, Lancaster and other Western New York cities and towns.

Palmer's

304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

13 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

Of Interest to Retail Florists**THE RETAILER'S BUSINESS CALENDAR.**

Dec. 5, Sat. Service and success go hand in hand—and always will. Service, next to honest merchandise, is the most important thing in the commercial world. Service begins with the head of the business, and doesn't finish till it reaches down to the lowest man on the salary list. The firm that has fixed a pin to this idea, and attached it to every desk, is the firm that wins.

Dec. 6, Sun. Sunday morning is a good time to look over one's store and see if the interior arrangement of plants cannot be improved. Few things so detract from the well-kept display of a florist shop as a lot of palms and ferns crowded promiscuously into one corner. Make use of pedestals and try to give a "leafy-bower" appearance to the whole establishment.

Dec. 7, Mon. The enthusiast is the original little sunbeam. He simply exudes prosperity and good tidings. After a session with him you wonder why everyone doesn't grab a million—it looks so easy. He is the planner, the dreamer, the projector of big things. He realizes that there is a vast difference between living and merely being alive. If he were to measure success by inches he wouldn't get very far.

Dec. 8, Tues. A splendid opening exists for some one to start a horticultural cold storage plant for the stocks of firms which do not advertise. Mr. Retail Florist, your harvest is here and if you will not take the trouble to let people know you're alive, don't be surprised if they overlook you when they play Santa Claus. More money is lost by preparing for calamities than in taking chances on getting business that is apparently within reach.

Dec. 9, Wed. Put in a new window display. It's time to give the windows and interior a Christmas and general holiday effect. Decorate the store with simlax, holly and other seasonable greens. Specimen conifers are excellent to show in doorways or on the sidewalk these cold days. Take a tip from some of the big department stores. Impress upon the public the fact that what you have to sell will make very fine and appropriate gifts.

Dec. 10, Thur. See if you can't secure some of these Christmas decoration orders that your competitor is going to get if you do not wake up. Use the telephone to advantage. Start a careful canvass of prospects and follow them up with a second talk if you do not get them the first time.

Dec. 11, Fri. Pay your bills and "get in" on the discount. These little sums mount up considerably and help add to the profits for the year. The wholesalers and growers to whom you owe money also need to pay their bills. Your credit will be all the better if you do not ask for too much of it.

Dec. 12, Sat. Take a few minutes to read your copy of HORTICULTURE. This will be the Anniversary and Christmas number and worth reading from first to last page. It will have some-

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

HESS & SWOBODA

FLORISTS

Telephones 1501 and L 1583

1415 Farnum St.,

OMAHA, NEB.

CLEVELAND

A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

Member of the Florists' Telegraph Delivery.

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2786
Members Florists Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

CHICAGO WILLIAM J. SMYTH

Send Your Orders to

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service
THOS. F. GALVIN
INC.

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 126 Tremont Street
799 Baylston Street
Deliveries to Steamers and all Eastern Ports

WASHINGTON,
D. C.
GUDE'S

 Member Florists'
Telegraph
Delivery.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

 Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS
FLORISTS

 NEW YORK, WASHINGTON, D. C.
1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

ALBANY, N. Y.

EYRES

Flowers or Design Work

 DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

 Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of

TORONTO

 Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

66 Yonge St., - - TORONTO, ONT.

F. R. PIERSON CO.

 FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

Member of Florists' Telegraph Delivery

Flowers by Telegraph

 Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

 Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

 Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Amus, Mgr.

 Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

 Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

 Denver, Col.—Park Floral Co., 1643
Broadway.

 Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

 Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

 New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

 New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

 New York—G. E. M. Stumpp, 761 Fifth
Ave.

 New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

 New York—A. Warendorff, 1193 Broad-
way.

 New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

Norwich, Conn.—Reuter's.

 Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

 Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

 St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

 Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

 Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

 Washington, D. C.—Gude Bros., 1214 F
St.

 Washington, D. C.—F. H. Kramer, 915
F St., N. W.

 Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

 Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

Penn *The Florist*
"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

 Members of the Florists Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

 New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

 Transfer your orders for flower or
plant deliveries to

ZINN The Florist
1 Park St., Boston

M. RICE CO.

 The Leading Florists'
Supply and Ribbon House

1220 Race Street, PHILADELPHIA, PA.

THE J. M. GASSER COMPANY,
CLEVELAND

Euclid Avenue

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

 ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

NEWS NOTES.

 The store of James T. Silman,
Moody street, Waltham, Mass., was
entered some time Sunday evening,
November 22d, and \$10 taken from the
cash register. There is no clue to the
robber.

 New York—One of the most sightly
of the retail stores of this city is the
remodelled establishment of Myer on
Madison avenue, corner of 58th street.
Mr. Myer bought the building in which
his store is located and after an exten-
sive overhauling and new exterior, has
rented the upper stories to advantage.
Myer's success has come about in the
right way—painstaking application
and hard work.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Cattleyas received from F. J. Dolansky are among the best ever seen in Boston. Mr. Dolansky ships over 75 blooms to his salesman, A. G. Pembroke, daily, and is the only local grower of gardenias and cattleyas cutting in large quantities.

Henry J. Haas, market salesman for W. H. Elliott, for several years, has started a very promising career as commission merchant this week, selling the product of Elijah Cartwright and A. G. Cartwright of Waltham, N. F. Comley of Burlington, and others.

Violets at 50c. per bunch seem to strike the popular fancy. The Boston Cut Flower Co. say they have tried selling them at larger figures, but have come to the conclusion that when the retail price does not exceed the fifty-cent limit they give greater satisfaction to the buying public and to the dealer also.

Wax Brothers make a special feature of displaying pot plants on the sidewalk under their show window, when weather conditions allow—an excellent business help when a store is so located as to have this privilege. Wax Bros. have made a number of progressive innovations which we may have occasion to mention in detail later on.

Bachelor Buttons do not seem to be as favorably received here as they are in New York and some local growers ship the best part of their corn flower crop to other markets. This is especially so with Louis Small of Tewksbury, one of our "Bachelor Button" experts, who finds Boston a very poor outlet for his specialty. Mr. Small also grows carnations of fine quality, which he markets through W. R. Holden.

The get-rich-quick men seem to find Boston and vicinity a prolific field for crooked operations. This time it is a man, light complexioned, weighing about 160 lbs., and wearing a Spanish War Veteran button who is working the check game. His practice is to order a design or box of cut flowers and offer to pay for it with a check on the Lowell National Bank larger than the amount of the order, asking for the difference in change. Several local florists have already been stung. The checks are signed with the name of Baker.

Again we hear of a retail florist brought before the municipal court on the charge of selling flowers on Sunday. This time it is one of the most prominent and successful florists of Boston. Definite concerted action by the trade on this matter might either secure legislation for all florists to keep open or bring about a private agreement for all to keep closed. The prestige of the business is much hurt by these attempts to disregard the law. If the good of the retailers is enhanced by selling flowers on Sunday, let it be done legally and not surreptitiously in street fakir fashion.

ALTAR DECORATION FOR PAN-AMERICAN CELEBRATION.



Washington, D. C.—The floral feature of the past week was the Pan American celebration at St. Patrick's church. For this occasion the church was decorated by Gude Bros. with palms, ferns and yellow chrysanthemums and with these the altar was banked to a height of forty feet. At different points above the altar white

doves, emblematic of peace, were suspended by fine wires. At the elaborate luncheon which followed the table decorations consisted of yellow roses and chrysanthemums and ferns with a white dove as a central figure. The room itself was attractively decorated with palms, ferns and yellow chrysanthemums.

SAN FRANCISCO.

Pelicano, Rossi & Co., the Kearny street florists, are starting a billboard advertising campaign.

Chas. Steppenbach, proprietor of the American Florist shop on Polk street, near Sutter, has just returned from a two months' trip through the Atlantic states.

The San Francisco Seed Company is working on a contract for a large planting of Monterey cypress trees for a new Chinese cemetery at Colma, south of San Francisco.

The Hanford Floral Company, the new shop at Hanford, Cal., held a formal opening on the evening of Nov. 20. The store is under the management of R. D. Paul.

Mr. Prager, in charge of the gardening for the Oakland parks, is moving a lot of shrubbery from north of Lake Merritt to the filled-in ground on the south side. He is also beginning planting operations on several new parks in the eastern part of the city.

The MacRorie-McLaren Company recently received a shipment of six carloads of nursery stock, including hollies, rhododendrons, aucubas and box. This company has been making heavy

deliveries of plants to the Santa Venetia summer residence park near San Rafael, Cal.

Dr. John Nolen, of Boston, Mass., has been conferring with the city commissioners of Sacramento, Cal., in regard to plans for the beautification of the city by landscape work. He has just left on his return trip, and will stop off to look after some work in progress at Kansas City.

G. Rossi & Co., who have been conducting wholesale establishments, specializing on greens, at 640 Geary

CHICAGO And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

RED FRIEZE

Or RED ROPING

60 yards to a piece. Ask for Prices on Quantities.

STATICE

Natural, Red and Green

IMMORTElLES

WRITE FOR PRICES

We have everything else you want for Christmas at **Very Low Prices.**

H. BAYERSDORFER & CO.

1129 Arch Street, - - - PHILADELPHIA, PA.

The Florists' Supply House of America

street, this city, and 385 Eleventh street, Oakland, have bought out the wholesale and retail establishment known as the Oakland Flower Market, formerly conducted by Nat Rolleri at 468 Tenth street, Oakland, and are now operating both places. This firm is introducing the September Morn rose, a few of which have lately been placed on the market.

NEW FLOWER STORES.

Jenkintown, Pa.—Oscar Young.
 Rochester, Pa.—H. L. Thompson.
 Canastota, Pa.—Wayne H. Lillie.
 Rochelle, Ill.—Miss Clara Weaver.
 Rockland, Mass.—Clark Bros., Rice block.
 Springfield, Ill.—Hembreiker & Cole, Unity bldg.
 Philadelphia, Pa.—E. C. Kent, 243 S. 15th street.
 Columbus, O.—Munk Floral Co., Brunson bldg.
 Providence, R. I.—Barney Bros., 337 Weybosset street.
 Marysville, Cal.—Mrs. Ida Hudspeth, 114 B street.
 Nanticoke, Pa.—Mrs. A. A. Lewis, South Market street.
 Nashville, Tenn.—McKay, Reece & Co., 148 Second Ave., after January 1st.

NEWS NOTES.

C. E. Critchell of Cincinnati reports that orders for Christmas decorative material are coming in fast.

Minneapolis—Mrs. Mazey, formerly with the R. N. Chapman Co., has opened a new store to be known as The Mazey Floral Co.

CHRISTMAS ORDERS BY TELEPHONE.

Every progressive florist has a telephone directory of his own, consisting of prospects—people who will buy his goods, and who can be reached by 'phone. Why not start an advertising campaign by telephone? You will probably advertise in the newspapers before the holidays. Start now to advertise for Christmas decorations by telephone. Catch a patron at the right time just now and a surprising number of advance orders will result. All it needs is a little telephone stimulus to get your clients to realize that Christmas and its attendant floral decorations are coming and that you are still in the flower business.

In every florist shop there are quiet times. At such times it is well to start a canvass of the district in this way. The flower merchant can do it systematically, recording the results for the future. In making a telephone

canvass similar methods to those used in newspaper advertising are employed. Convince the prospective buyer of the quality of your service and goods and clinch it by quoting a reasonable price. Such a canvass is cheaper than newspaper advertising for your particular purpose. A personal talk with each customer on the list will far outstrip in results any newspaper advertising. Use follow-up methods. If the order is not secured the first time, the way is open for another 'phone talk before Christmas. Retail florists who have systematically adopted this very simple method of getting business find it one of their best investments.

Chicago—A basket of magnificent yellow roses in the show window of A. Lange's store, attracted much attention. They were Souvenir de E. Guillard and were grown by the South Park Floral Co., at Newcastle, Ind.



BE SURE that you get the **MEYER GREEN SILKALINE**, and do not take any other that is sold as an imitation of the **MEYER GREEN SILKALINE**, as they do not have the full weight, measure and strength of the genuine article. All our **GREEN SILKALINE** is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing advertisers kindly mention **HORTICULTURE**.

BOXWOOD

\$7.50 per 50 pound crate

No unnecessary wood, no waste. Place your order now. Delivery December 1st.

THE LEO NIESSEN CO.

Wholesale Florists

12th and Race Streets, PHILADELPHIA, PA.
Branches: Baltimore and Washington

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention HORTICULTURE
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 30	CHICAGO Nov. 30	BUFFALO Nov. 30	PITTSBURG Nov. 23
Roses				
Am. Beauty, Special.....	25.00 to 35.00	35.00 to 40.00	30.00 to 35.00	35.00 to 40.00
" " Fancy and Extra.....	15.00 to 20.00	30.00 to 35.00	20.00 to 25.00	20.00 to 30.00
" " No. 1.....	8.00 to 12.50	10.00 to 20.00	10.00 to 15.00	12.50 to 15.00
Killarney, Richmond, Extra.....	6.00 to 8.00	6.00 to 10.00	..... to 8.00	8.00 to 12.00
" " Ordinary.....	2.00 to 4.00	4.00 to 5.00	3.00 to 5.00	4.00 to 6.00
Hillingdon, Ward, Sunburst, Extra.....	6.00 to 8.00	6.00 to 10.00	7.00 to 8.00	8.00 to 12.00
" " Ordinary.....	2.00 to 4.00	3.00 to 5.00	3.00 to 5.00	4.00 to 6.00
Maryland, Shawyer, Taft, Extra.....	6.00 to 8.00	6.00 to 8.00	7.00 to 8.00	8.00 to 10.00
" " Ordinary.....	2.00 to 4.00	3.00 to 5.00	3.00 to 6.00	4.00 to 6.00
Russell, Hadley, Ophelia.....	..... to 6.00	6.00 to 20.00	6.00 to 8.00	..... to 8.00
Carnations, Fancy.....	2.00 to 3.00	2.00 to 3.00	..... to 3.00	..... to 4.00
" " Ordinary.....	..... to 1.00	..... to 1.00	2.00 to 2.50	2.00 to 3.00
Cattleyas.....	..... to 50.00	35.00 to 50.00	8.00 to 10.00	40.00 to 65.00
Cypripediums.....	..... to 10.00	8.00 to 12.00	8.00 to 10.00	10.00 to 12.00
Lilies, Longiflorum.....	..... to 5.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00
Lily of the Valley.....	4.00 to 5.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00
Violets.....	.50 to .75	.75 to 1.25	.75 to 1.00	..... to 1.00
Snaptagon.....	..... to 3.00	..... to 5.00	..... to 5.00	..... to 5.00
Narcissus, Paper White.....	2.00 to 3.00	2.00 to 3.00	..... to 3.00	..... to 3.00
Corn Flower.....	..... to 1.00	..... to 1.00	.40 to .50	..... to 1.00
Chrysanthemums.....	..... to 12.00	5.00 to 25.00	5.00 to 25.00	6.00 to 25.00
Stevia.....	1.00 to 1.50	..... to 1.50	..... to 1.50	..... to 1.50
Sweet Peas.....	.50 to .75	1.00 to 3.00	.50 to .75	..... to 1.50
Gardenias.....	..... to 20.00	20.00 to 25.00	..... to 25.00	..... to 25.00
Adiantum.....	..... to 1.00	1.00 to 1.25	1.00 to 1.25	..... to 1.25
Smilax.....	..... to 12.50	12.00 to 15.00	..... to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings (100).....	20.00 to 25.00	40.00 to 50.00	40.00 to 60.00	30.00 to 40.00
" " & Spreng. (100 bchs.).....	20.00 to 25.00	45.00 to 50.00	30.00 to 50.00	30.00 to 50.00

WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Telephone 3860 Madison Square

WOODROW & MARKETOS
WHOLESALE

Plantmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID

WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Flower Market Reports

BOSTON The market is again floundering around in a slough of business depression. Stock is good—in fact, excellent; the supply is normal and under ordinary conditions would be considered short, but the demand has decreased alarmingly. Stock of fine quality is again lying in the wholesale markets waiting for the extremely reluctant buyer. The activity caused by Thanksgiving, and it was quite satisfying, has totally disappeared. Roses and carnations are plentiful, chrysanthemums are still hanging on and unless the weather gets colder, summer conditions will almost prevail. Violets are offered in larger quantities. Smilax and other greens have advanced slightly in value. As a contrast to this pessimistic outlook comes a report from several of the larger retail stores, especially those located in the Back Bay district, that business is good, in fact better than last year in some cases. This can well be believed of those stores that are not altogether dependent on transient trade. The weather to-day (Dec. 3) is almost sultry. Overcoats are a superfluity and the seats on the Common Malls are filled with people sunning themselves as in August. The effect of this summary relapse on the holiday crops will be worth watching.

No better weather could **BUFFALO** be expected than we had for the Thanksgiving Day business. The trade had looked forward for extra business and by reports, they got it in due time. There has been so much quietness of late that a lively hustle for a few days had brought an awakening. The receipts were light on Monday, heavier on Tuesday and on the last day, the same old story. For a few days carnation were scarce and orders were cut but later on there were plenty. Roses were not overplentiful and on some lines more could have been at the right time, especially red and yellow varieties. There was a good supply of narcissus paper white, lily of the valley, orchids, violets, mignonette, daisies and other corsage flowers of which all shared in the demand. Of course, chrysanthemums was the flower, and considering the amount handled prices were quite satisfactory. There were a good many of ordinary quality which moved slowly but the best stock had good sales. Pompons were in demand and good varieties were had.

Thanksgiving business **CHICAGO** met the approval of a good proportion of Chicago florists. No one expected to increase the sales of last year and no one, knowing the conditions prevailing all the fall, had a right to feel disappointed when the sales fell below those of a year ago. "A very fair average and better than anticipated," is the general verdict. Reports differ among the various houses as to the supply. Those having a large shipping trade ran low while those who depend principally upon the local market dropped to a low price to move their stock and even then did not clean up on some flowers. Carnations were in this class. The prices quoted in advance could not be maintained and many were not moved at all. Friday and Saturday

after Thanksgiving were not very good and Sunday trade was very light. Monday used up but little stock and Tuesday found the accumulation growing fast. The temperature is that of spring and the air is full of mist, which growers say will soon make stock soft. Some excellent large Chadwick chrysanthemums are still offered and fine pompons of the anemone type, but it is generally conceded to be the last of the season. American Beauties in short lengths are more numerous than can be used. Carnations are far beyond the demand. Lilies, sweet peas, gardenias, bouvardia and violets are all in extra good supply. The Milady rose, as coming into this market now, is very near perfection. In color it is quite equal to Richmond, while in number and length of petals and in foliage and size of stem it surpasses it. At one of the large houses it is stated that when customers have once had Milady, it is hard to sell them Rich-

CYPRIPEDIUMS

Immediate delivery or for the Holidays, a supply of exceptionally choice blooms, well colored flowers.

\$2 per doz., \$15 per 100

In quantity on short notice.

VALLEY—Special \$4.00 per 100,
Extra \$3.00 per 100.

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Fancy \$2.00 per doz.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 4		ST. LOUIS Nov. 30		PHILA. Nov. 30	
Roses						
Am. Beauty, Special	20.00	to 25.00	25.00	to 40.00	25.00	to 30.00
" " Fancy and Extra	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
" " No. 1	5.00	to 8.00	8.00	to 10.00	10.00	to 12.00
Killarney, Richmond, Extra	4.00	to 5.00	6.00	to 8.00	6.00	to 8.00
" " Ordinary	2.00	to 4.00	3.00	to 5.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" " Ordinary	1.00	to 2.00	4.00	to 6.00	4.00	to 5.00
Maryland, Shawyer, Taft, Extra	2.00	to .00	6.00	to 8.00	6.00	to 8.00
" " Ordinary	1.00	to 3.00	2.00	to 4.00	3.00	to 5.00
Russell, Hadley, Ophelia	3.00	to 15.00	8.00	to 10.00	6.00	to 12.00
Carnations, Fancy	3.00	to 5.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50	1.50	to 2.00
Cattleyas	35.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Cypripediums						
Lilies, Longiflorum	8.00	to 10.00	10.00	to 12.50	10.00	to 12.00
Lily of the Valley	4.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	.50	to .60	.50	to 1.00	1.00	to 1.25
Snapdragon					0.00	to 10.00
Narcissus, Paper White	1.00	to 2.00			2.00	to 3.00
Corn Flower	.50	to .75				
Chrysanthemums	1.00	to 12.00	10.00	to 20.00	8.00	to 20.00
Stevia						to 1.00
Sweet Peas	.40	to .60	.50	to 1.00	.50	to 1.50
Gardenias		to 35.00			8.00	to 30.00
Adiantum	.50	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	6.00	to 12.00	10.00	to 12.50	12.00	to 15.00
Asparagus Plumosus, Strings	25.00	to 40.00	35.00	to 50.00	40.00	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 50.00	20.00	to 30.00	35.00	to 50.00

mond. The 30 and 36 inch bring 25c. The flowering plant offerings are numerous and of fine quality. Some intended for the Christmas trade will be ahead of schedule.

The business for **CINCINNATI** Thanksgiving was fully up to expectations in most lines. The call, while very strong did not clean up everything. White chrysanthemums and carnations were left over and did not sell at any price. Since that time business generally has been pretty fair. Receipts are large and demand active. The rose supply is strong and all varieties are to be had in adequate quantities. The carnation cut, too, is heavy but is not cleaning up very well. Lilies are plentiful but are meeting with no especially strong demand. Lily of the valley and violets meet with only a fair market. Orchids and sweet peas sell well.

(Continued on page 807)

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ROSES AND CARNATIONS	Last Half of Week ending Nov. 28 1914		First Half of Week beginning Nov. 30 1914	
American Beauty, Special	20.00	to 35.00	20.00	to 25.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1	4.00	to 6.00	3.00	to 6.00
Killarney, Richmond, Extra	3.00	to 6.00	3.00	to 6.00
" " Ordinary	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 10.00	6.00	to 10.00
" " Ordinary	1.00	to 2.00	1.00	to 5.00
Maryland, Shawyer, Taft, Extra	4.00	to 10.00	5.00	to 8.00
" " Ordinary	2.00	to 3.00	1.00	to 4.00
Russell, Hadley, Ophelia	6.00	to 20.00	4.00	to 15.00
Carnations, Fancy Grade	3.00	to 5.00	2.00	to 4.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00

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**THE Florists' Supply
House of America****H. BAYERSDORFER & CO.**

1129 Arch St., Philadelphia, Pa.



Flower Market Reports

(Continued from page 805)

Thanksgiving trade KNOXVILLE was beyond all expectations, the good trade to some extent being due to the foot ball game (University of Tennessee vs. Kentucky State). The University of Tennessee colors, yellow and white, took up all the chrysanthemums of this color that could be obtained, and several hundred more could have been sold. The Kentucky State colors being blue and white, it was impossible to furnish both colors in flowers, and white carnations and chrysanthemums were used tied with blue and white ribbon. On account of the University of Tennessee having a winning team this year, it has made the yellow and white chrysanthemums very popular all season. Chrysanthemums are on their last legs and will be a thing of the past in a few days, but carnations are coming into their own after the cool weather, and the cut is growing heavy.

The Thanksgiving NEW YORK Day business was generally satisfactory, judging by reports from the dealers, both wholesale and retail. Nobody will admit that the business was up to that of last year but, considering the conditions prevailing all through this fall, they all did much better than they had reason to expect. Responding to the suddenly developed demand, prices ascended with a bound, and in some cases to a degree that did the trade no good. This was followed by the inevitable relapse and the opening of the present week sees a very depressed condition in the wholesale district, price slaughtering being a marked characteristic as usual. Among the best sellers thus far are the yellow roses and of these Sunburst deservedly takes the premier place in popularity and standard price. Mrs. Russell is also developing as a great favorite in this market this season. The number of rose varieties offered in quantity has never before been equalled. Besides the foregoing and the several Killarneys there are Prince d'Arenberg, Mrs. Taft, Fire-flame, Richmond, Hadley, Francis Scott Key, J. L. Mock, Mrs. Shawyer, Crimson Beauty, Radiance, Mrs. Aaron Ward, Lady Hillingdon and several others. The carnation has accompanied the rose in its drop in value and lily of the valley, orchids and other choice material move slowly at prices greatly reduced, while violets, which are now of superb quality, find their best outlet through the street vendors. Lots of stevia and bouvardia are coming in and Roman hyacinths are already seen in quantity. Among chrysanthemums Maj. Bonnaffon is easily the best seller, the medium grades having the best of it. Southern asparagus is overplentiful.

PHILADELPHIA Thanksgiving week was on the whole very satisfactory. While there was nothing very startling as to prices or results, the trading was good and stocks were cleaned up in excellent shape. This does not quite apply to Saturday, the date of the big army and navy game.

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New Crop Fancy Ferns - - - \$0.75 per 1000
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Bronze and Green Galax, \$1.00 per 1000;
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Green and Bronze Leucothoe Sprays, \$3.00 per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Nov. 28 1914	First Half of Week beginning Nov. 30 1914
Cattleyas	15.00 to 50.00	15.00 to 50.00
Lilies, Longiflorum	4.00 to 6.00	5.00 to 6.00
Rubrum	2.50 to 6.00	2.00 to 4.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00
Violets	.50 to .75	.35 to .50
Corn Flower	.50 to .75	.50 to .75
Chrysanthemums	5.00 to 20.00	5.00 to 20.00
Sweet Peas per 100 bunches	3.00 to 4.00	2.00 to 4.00
Gardenias	8.00 to 25.00	8.00 to 25.00
Adiantum	.50 to .75	.50 to .75
Smilax	8.00 to 10.00	8.00 to 10.00
Asparagus Plumosus, strings (per 100)	25.00 to 30.00	15.00 to 30.00
& Spreng. (100 bunches)	15.00 to 30.00	15.00 to 30.00

Heretofore that event proved such a fine outlet that unusual preparations were made for it this year and as a consequence it was overdone and the market broke badly. The warm weather of the last half of the week also had its effect. Roses continue in fine form and while prices have eased up somewhat the demand continues excellent. Hadly is a leading favorite and Sunburst is also noticeably fine. There is now a fine list of yellows and a very good demand for all of them. Carnations were about equal to the demand, but there was no surplus and prices held firm. Chrysanthemums were in larger supply than expected and a good many sacrifices of fine stock took place at the windup. Dealers were conservative on the violet situation this year and were able to hit the happy medium—enough. The prices realized were up to standard and all was well. Gardenias sold fairly well. Lily of the valley is very plentiful—rather more than the market can absorb. The orchid situation has improved slightly, the prices realized being considerably better. The cypripedium crop is now more in evidence and quality fine. Some very nice sweet peas are now arriving—especially in the Spencers. The latter, although not very long stemmed as yet, are excellent as to flowers.

SAN FRANCISCO

The Thanksgiving trade in San Francisco developed some unusual features, but on the whole was rather disappointing, and a number of the large retail houses are said to have fallen considerably behind last year's record for the same period. It is impossible to place the blame for this on the street vendors, who are unusually numerous this year; there was no lack of buyers and sales of cheap stuff. Large, important orders, however, were the exception, and the more expensive goods simply did not move. The most notable feature was the enormous

sale of California holly, an extremely heavy supply of which was absolutely cleaned up. This was due to the low price, together with the quality, which is the best in years. A little English holly has appeared, but finds little demand at this time. Last week's shortage of carnations seems to have been artificial, and the attempt to boost the price had little success, values being back to a low level, with heavy offerings. Chrysanthemums are stronger, with gradually diminishing supplies which will probably be further curtailed by a storm which has just started. This, if continued, will help the violets greatly. Shipping stock of the latter is still scarce. More roses are being cut and the quality is improving, but the amount of really first-class stock is small. Supplies are pretty well taken up. Cyclamen plants and flowers are quite plentiful, and sell rather slowly. Orchids are getting a little scarce again with prices well maintained. Current offerings of lily of the valley are light and nothing extra as to quality. Few gardenias have been offered as yet, but there is a very fair crop coming on. Paper whites are appearing in larger quantity.

Thanksgiving week ST. LOUIS trade was good in many respects but the retailers were somewhat disappointed with Thanksgiving business, which was far below that of last year. Stock of all kinds was in plenty and prices lower than at any Thanksgiving heretofore. The only shortage noticed was in roses. Chrysanthemums were in

(Continued on p. 817)

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Bright Green Dwarf and Tree varieties,
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50 standard varieties, \$3.00 per 100; 60c.
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Best. New color, new form and new habit
of growth. Big stock of best cut-flower
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For List of Advertisers See Page 783

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

FERNS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Ochslin, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co., Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

Natural Guano Co., Aurora, Ill.
Pulverized Sheep Manure.
For page see List of Advertisers.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double purple and white, Rooted Cuttings, \$1.00 per 100; 2 1/2 in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

Henry F. Michell Co., Philadelphia, Pa.
Gladiolus for Forcing.

Planting stock and bulbs—Holley, America, Princeps, Chicago White, Niagara, Mrs. King, Golden King, Bird of Paradise, Panama and all the good ones. Write for list. **HOMER F. CHASE, Lawrence, Mass.**

MRS. FRANK PENDLETON.

I am headquarters for pure stock of this grand pink gladiolus. Write for quotations on all sizes. Prices right.

L. MERTON GAGE, Natick, Mass.

First-Class No. 1 Bulbs—Prices per 100 for cash only, America, Brencleyensis, Mrs. F. King and Augusta, \$1.00. Good mixture, 75c. Victory, \$1.50. **GEO. HALL, Adelphi, N. J.**

Write for price list home-grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. **JOHN-STON GLASS CO., Hartford City, Ind.**

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. **FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa.** Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.
Stearns Cypress.

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.

Metropolitan Material Co., Brooklyn, N. Y.

Pierson U-Bar Co., New York City.

William H. Lutton Co., Jersey City, N. J.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

Hitchings & Co., New York City.

Daniel Iliffe, South Weymouth, Mass.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Lancy and Dagger Ferns.
For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Daniel Iliffe, South Weymouth, Mass.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co., Chicago, Ill.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.

Lord & Burnham Co., New York City.
For page see List of Advertisers.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."

For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

B. G. Pratt Co., New York City.

IVY

English Ivy from field, 20 to 30 in., \$3.00; from pots, 30 to 40 in., \$5.00 per 100. **CHARLES FROST, Kenilworth, N. J.**

JERUSALEM CHERRIES

Jerusalem cherries, 4 inch., pot grown, strong plants and well berried, \$15.00 per 100. Cash. **F. SOKOL, College Street, Worcester, Mass.**

KENTIAS

Joseph H. Leach Co., Weymouth, Pa.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

McHutchison & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

F. R. Pierson, Tarrytown, N. Y.
Cold Storage Lily of the Valley.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.
\$5.00 per 100; Clumps, \$8.00 per 100, 5 inch, for outdoor planting. Dahlias of all varieties. HENRY SCHLAUMBERG, Ham-monton, N. J.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

MISTLETOE

XMAS MISLETOE—Heavily berried, ready for shipment to reach you on or before Dec. 20, as you desire. Give me your order at once; any quantity. J. H. LINCH, Turin, Ga.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-TUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

ORCHID FLOWERS

Jag. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

Henry A. Dreer, Philadelphia, Pa.
Select Forcing Rhododendrons.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SCALECIDE

B. G. Pratt Co., New York City.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.
For page see List of Advertisers.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetable and Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Belgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

Arthur T. Boddington, New York.
Shamrock Seed.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

For List of Advertisers See Page 783

SPIRAEA RUBENS

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

STANDARD REGISTERING THERMOMETERS

Standard Therm Co., Boston, Mass.
For page see List of Advertisers.

STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.
Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS**Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York
For page see List of Advertisers.

**WHOLESALE FLORISTS—Continued
New York—Continued**

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West
28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 25th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo, Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-20
Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
For page see List of Advertisers.

New Offers In This Issue**ASPARAGUS SPRENGERI—GERANIUMS.**

J. E. Felthousen, Schenectady, N. Y.
For page see List of Advertisers.

CARNATIONS MATCHLESS—MRS. C. W. WARD AND BEACON.

Cottage Gardens Co., Inc., Queens, N. Y.
For page see List of Advertisers.

CHRISTMAS FLOWERING AND DECORATIVE PLANTS.

Anton Schultheis, College Point, L. I., N. Y.
For page see List of Advertisers.

CHRISTMAS FLOWERING, BERRIED AND FOLIAGE PLANTS.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

CHRISTMAS FLOWERS AND GREENS.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

CHRISTMAS GREENS.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

CHRISTMAS PLANTS.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

CHRISTMAS PLANTS.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

CHRISTMAS PLANTS, FLOWERS AND GREENS.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

CYPRIPEDIUMS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

FERNS FOR DISHES.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

NEW OFFERS — Continued**FLOWERS BY TELEGRAPH.**

May 109 611 Madison Ave., New York City.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.

William J. Smyth, Chicago, Ill.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.

Penn. The Florist, Boston, Mass.
For page see List of Advertisers.

GLADIOLI.

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

GLADIOLI AND SPANISH IRIS.

Arthur T. Boddington, New York City.
For page see List of Advertisers.

GOLDFISH.

M. D. Jones Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSE MATERIAL—HOT BED SASH.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

NEW ROSE HOOSIER BEAUTY.

E. G. Hill Co., Richmond, Ind.,
and F. Dornier & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

NEW ROSE MRS. MOORFIELD STOREY

Waban Rose Conservatories, Natick, Mass.
For page see List of Advertisers.

RED FRIEZE—STATICE—IMMORTELLES.

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

SECOND HAND PIPE.

Perry, Buxton, Doane Co., So. Boston, Mass.
For page see List of Advertisers.

SPIREAS.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.**SITUATIONS WANTED**

SITUATION WANTED by a seedsmen of experience and business standing; well up in vegetable, farm and grass seeds, the handling of invoices, correspondence, stock book and the variety of work which makes up the routine of the seed business; successful and energetic; would like an engagement for early next year; record shows few changes and long service. DENNIS KENNA, 436 Amity St., Flushing, N. Y.

FOR SALE**Florists' Attention**

We have on hand ready for shipment all material necessary for the superstructure of a MODERN IRON FRAME LUTTON GREENHOUSE, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300. F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the LUTTON Reputation. We will send you even the GALVANIZED NAILS, BOLTS AND SCREWS for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M." care HORTICULTURE.

FOR SALE—Fresh from factory, now: 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PAR-SHEL-SKY BROS., INC., 215-217 Haver-meyer St., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

During Recess

Chicago Bowlers.

The bowling tournament under the auspices of the Chicago Bowling Association will be participated in by five florists, John Huebner, Wm. Lorman, Allie Zech, Fred Price and Peter Olsem, Dec. 10, at 7.30 p. m., at Ben-singer's Alleys. They will take part as a five-man team. Dec. 11, from 6 to 7, the two-man teams play as follows: John Huebner and Fred Price, Allie Zech and Wm. Lorman, Peter Olsem and Wm. Wolf. The individual bowling will follow from 7 to 8 o'clock. Visitors are invited. There are some tempting stakes and the florists are preparing to do their best.

N. Y. Florists' Bowling Club.

	1st Game	2nd Game
J. Miesen	169	185
J. Fenrich	165	158
J. Donaldson	172	185
C. W. Scott	157	180
P. Jacobson	158	142
H. C. Riedel	167	175
A. Kakuda	148	157
A. J. Guttman	158	162
W. P. Ford	152	163
P. Rigo	156	147

The first annual beefsteak dinner of the Oyster Bay, N. Y., Horticultural Society will take place on Thursday evening, December 17, at the Oyster Bay Inn. It will be an event of events if present plans materialize.



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Flower Market Reports

(Continued from page 67)

plenty, also carnations, violets, lily of the valley, lilies, sweet peas, stevia, and paper whites.

WASHINGTON

The Thanksgiving Day weather was ideal except from the standpoint of those in the flower trade for it constituted a flareback of Indian summer after weeks of lower temperatures, and has resulted in the bringing into the market of quantities of roses and carnations. Thus there are many more flowers to be had than the market can legitimately take care of. Some few really good flowers sell at what might be considered normal prices. Roses are bringing from \$8 to \$15 for prime stock, but there are thousands upon thousands which can hardly be moved at \$3 and \$4. Yet, during the limited Thanksgiving Day rush, there was a scarcity of yellow roses, and two or three days before American Beauty roses were exceptionally scarce, but these latter are now going begging at from \$1.50 to \$3. The demand for Aaron Ward roses of late has been much better than for any of the other yellows. Carnations which early last week were scarce and brought as high as \$4 per hundred now hang fire at half that amount and the stock is good. For some unknown reason, single violets have stopped blooming during the past week or ten days and very few can be obtained. Consequently dependence must be placed upon Rhinebecks which seem largely subject to New York market

fluctuations. Gardenias are more plentiful. Callas have made their appearance with prices from \$1 to \$1.50 per dozen. Paper white narcissus is coming in, but for this flower the market is very sluggish. Stevia is bringing from \$2 to \$4 per hundred.

NEWS NOTES.

New York—All the cut flower commission dealers have handed over to Uncle Sam their contribution of \$20 for the newly imposed special license tax. Should any have neglected to do so there is a heavy penalty impending.

South Orange, N. J.—The jury award in the case of W. A. Manda against the D. L. & W. R. R. for damages caused by land condemnation and track elevation was \$8,000 lower than the amount agreed upon by the commissioners previously, from which Mr. Manda appealed as being insufficient. Mr. Manda has now entered another appeal and nobody who knows the circumstances can blame him.



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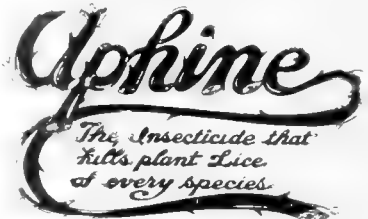
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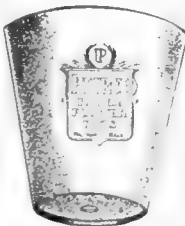
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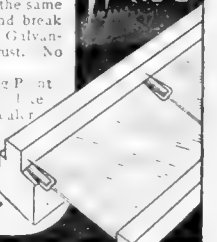
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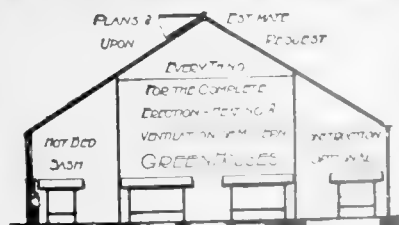
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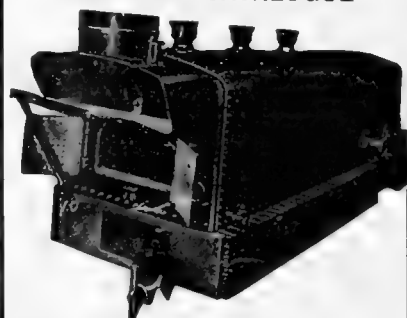
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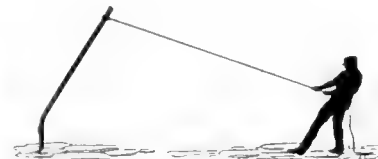
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Albany Cut Flower Ex., 856	Covee, W. J., 854	Hart, Geo. B., 818-826	McManus, Jas., 856	Pierson, F. R., 847	Smyth, Wm. J., 847
Allen, J. K., 856	Craig, Robt. Co., 821	Heacock, Jos., 822	Manda, W. A., 835	Plantlife Co., 863	Smith, W. & T., 822
Anderson, S. A., 817	Critchell, C. E., 854	Henderson, A. & Co., 845	Metropolitan Material Co., 865	Plant Food Co., 20th Century, 863	Standard Thermo Co., 866
Aphine Mfg. Co., 863	Crowl Fern Co., 857	Hess & Swoboda, 846	Meyer, 846	Pohlmann Bros., 851	Stearns, A. T., 866
Aschmann, G., 824	Dards, 846	Hews, A. H. & Co., 864	Meyer, John C. Co., 819	Pulverized Manure Co., 863	Storrs & Harrison, 840
Asmus, Geo., 848	Davenport, A. M., 838	Hillfinger Bros., 864	Meyer, Chas. F., 819	Quaker City Machine Co., 866	Stumpp, J. E. M., 846
Ayres Co., S., 845	Dorner, F. & Sons Co., 824	Hill, E. G. Co., 854	Michell's Seed House, 844	Randall's Flower Shop, 846	Stumpp & Walster Co., 863
Badgley, Riedel & Meyer, 856	Droer, H. A., 823-839-861	Hitchings & Co., 868	Michigan Cut Flower Ex., 854	Reed & Keller, 856	Thorburn, J. M. & Co., 845
Barrie, Geo. N., 864	Dunlop, John H., 847	Holland Nurseries, 840	Millang, Chas., 856	Reuter's, 847	Treadwell & Schenck, 856
Barrows & Son, 824	Dysart, R., 857	Holm & Olson, 846	Moore, Hentz & Nash, 856	Rice, M. Co., 847	Trepel, C. C., 829
Bayersdorfer, H. & Co., 849-856	Edgar, W. W. Co., 840	Hiffe, D., 866	Moninger, J. C. Co., 867	Rochrs, J. Co., 840	Valentine, J. A., 846
Bay State Nurseries, 822	Edwards Folding Box Co., 854	Irwin, R. J., 845	Murray, Samuel, 846	Roland, Thomas, 824	Vick's, James Sons, 845
Berger Bros., 853	Elliott Auction Co., 822	Johnston Brokerage Co., 865	National Nurseryman, 822	Rollett, A. & Sons, 849	Vincent, R. Jr. & Sons Co., 849
Bobbink & Atkins, 840	Ernest, W. H., 864	Jones, M. D., 839	Nicotine Mfg. Co., 863	Rogers, The, 846	Waban Rose Conservatories, 824
Boddington, A. T., 841	Esler, J. G., 865	Jones, McDuffee & Stratton, 850	Nielsen, Leo Co., 854	Riggs, W. A., 839	Wants, For Sale, 861
Bogliano & Son, J., 845	Eyres, 847	Kasting, W. F. Co., 854	Nut Grower, 862	Schader Bros., 845	Ward, R. M. & Co., 829
Boston Florist Letter Co., 854	Farquhar, R. & J. Co., 838	Keller, J. B. Sons, 846	Ochslin, Ernest, 824-837	Schaller, 848	Warendorff, A., 846
Breck, J. & Sons, 845	Felthousen, J. E., 838	Keller, J. M. Co., 824	Ochslin, Ernest, 824-837	Schilling, Max, 847	Webb, F. C., 847
Breitmeyer's, J. Sons, 846	Fisher, Peter, 824	Kentucky Tobacco Product Co., 818	Old Town Nurseries, 840	Schwake, Chas. & Co., 849	Welch Bros., 847
Bryan, Alonzo J., 824	Foley Mfg. Co., 866	Kervan Co., 856	Overkerk, P., 840	Schubert, W. F., 856	Whitney & Co., 847
Burnett Bros., 845	Ford, M. C., 853	King Construction Co., 864	Palmer, W. J. & Son, 846	Shinn, Warren, 824	Wood, R. & Co., 847
Burpee, W. A. & Co., 820-845	Ford, W. P., 856	Komada Bros., 856	Park Floral Co., 846	Shubert, Geo., 853-856	Woodruff, S. D. & Co., 847
California Seed Growers' Asso., 845	Framingham Nurseries, 822	Kramer, F. H., 847	Parshinsky Bros., 846	Shubert, Geo., 853-856	Woodward & M., 847
Carter's Tested Seeds, Inc., 844	Flourent, H. E., 856	Kroeschell Bros., 866	Peirce, E. Allan, 861	Shubert, Geo., 853-856	Yong, A. & Co., 847
Chicago Flower Growers' Asso., 851	Galvin, Thos. F., 848	Kuebler, W. H., 856	Penn the Forest, 847	Shubert, Geo., 853-856	Yong, A. & Co., 847
Childs, John Lewis, 845	Gasser Co., J. M., 847	Lemon Oil Co., 863	Pennock, M. Co., 853	Shubert, Geo., 853-856	Zell, J. A., 847
Clarke's, D. Sons, 846	Graham, Adam & Son, 846	Leuthy, A. & Co., 824	Perry, Buxton, Doane Co., 865	Shubert, Geo., 853-856	Zell, J. A., 847
	Grey, Thos. J. & Co., 845	Loechner & Co., 849	Phono, 849	Shubert, Geo., 853-856	
	Gude Bros. Co., 851	Lutton, W. H. Co., 867		Shubert, Geo., 853-856	
	Haendler, M. P., 840	McCarthy, N. F. & Co., 852-854		Shubert, Geo., 853-856	
		McConnell, Alex., 846		Shubert, Geo., 853-856	

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Special Croton Combinations made up in very attractive birch bark boxes, with handles, each \$7.50 and \$10.

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There is no variety of foliage plant as attractive as the highly-colored Dracaena. We are now growing more Dracaenas, in greater variety, than any firm in this country.

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Lord Wolseley. One of the very finest for Christmas, bright red in color. 4-in. pots, heavy, each \$35 and 50c.; 5-in., each 75c.; 6-in., doz. \$12 and \$15.

Craighii. The first time offered. We consider this variety the most beautiful pink Dracaena ever offered to the trade. 4-in. pots, strong plants, each \$1; 5-in., each \$1.50; 6-in., each \$2.50.

Baptistii. Long, broad foliage; cream, red and orange. 4-in. pots, each 50c.; 5-in., each 75c.; 6-in., each \$1, \$1.25 and \$1.50.

Stricta Grandis. Carmine-red leaves. 4-in. pots, 100 \$50; 5-in., heavy, doz. \$9 and \$12; 6-in. pots, doz. \$15.

Amabilis. Green and pinkish white. 4-in. pots, 100 \$50; 5-in., doz. \$9 and \$12; 6-in., doz. \$15 and \$18.

Shepherdii. Carmine and green. 4-in. pots, 100 \$50; 5-in., doz. \$9; 6-in., doz. \$12 and \$15.

Terminalis. Exceptionally well colored. 3-in. pots, 100 \$25; 5-in., each 50c. and 75c.; 6-in., each \$1, \$1.25 and \$1.50.

Fragrans. Plain, green leaf. 6-in. pots, doz. \$6 and \$9; 8-in. tubs, doz. \$18; 10-in. tubs, each \$2 and \$2.50.

Mandaiana. Large, bright red leaf, beautifully colored. 5-in. pots, 100 \$75; 6-in., doz. \$12 and \$15.

Godseffiana. Green and white leaf, very hardy; fine for baskets. 2½-in. pots, 100 \$10; 3-in., 100 \$15 and \$20; 4-in., 100 \$25.

Gladstone (Rare). 4-in. pots, doz. \$6;

Guilfoylei (Rare). 4-in. pots, doz. \$6;

5-in., doz. \$9; 6-in., doz. \$12, \$15 and \$18.

Titworthii (Rare). 4-in. pots, doz. \$6;

5-in., doz. \$9; 6-in., doz. \$12, \$15 and \$18.

Sanderiana. Small, light green leaves, edged with creamy white. Fine for center of fern dishes or basket work. 2½-in. pots, 100 \$15.

Kelleriana (New). The greatly improved Godseffiana. Fine for combination boxes or baskets. 2½-in. pots, 100 \$10; 3-in., 100 \$20; 4-in., 100 \$30; 7-in. pots, made up, each \$1.25 and \$1.50.

Imperialis (Rare). One of the very best of the bright-colored varieties. 4-in. pots, 100 \$50; 5-in., doz. \$12; 6-in., doz. \$18.

PHOENIX ROEBELENI.

Combining the grace of a Cocos Weddelliana with the hardness of a Kentia; an invaluable plant for the house. 10 and 12-in. tubs, specimen plants, each \$10, \$12.50, \$15 and \$20.

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Perfect plants, with rich, dark green foliage. Our stock has been grown cool and hard. 4-in. pots, single, 100 \$25; 5-in., doz. \$5 and \$6; 8-in. pots, made up, 42 in. to 48 in. tall, each \$2 and \$2.50; 14-in. tubs, made up, 7 ft. tall, each \$10, \$12.50 and \$15.

PANDANUS VEITCHII.

Well-colored plants. 4-in. pots, doz. \$6, 100 \$45; 5-in., doz. \$9; 6-in., doz. \$12; 8-in., doz. \$24 and \$30.

PANDANUS UTILIS.

3-in. pots, doz. \$1.50, 100 \$12; 4-in., 100 \$25; 5-in., 100 \$50.

GARDENIA VEITCHII.

These are very strong plants and will make grand stock for Winter blooming. 2½-in. pots, January delivery, 100 \$8, 1000 \$75; 4-in., 100 \$20, 1000 \$180; 6-in., 100 \$50; 6-in. in bud, doz. \$9 and \$12; 6-in. in bud, will flower for Christmas, each \$2.50.

FICUS PANDURATA.

The plant of the century. Positively the best porch and house plant to date. 6-in. pots, 2½ ft. tall, each \$2; 7-in., 3 ft. tall, each \$2.50; 10 and 11-in. tubs, 5 ft. tall, each \$4 and \$5. The larger plants are unusually fine.

FICUS UTILIS.

A species that came to us through the Botanical Gardens at Washington, D. C. The leaves are thick and leathery, and are from 18 in. to 24 in. long, of a rich, holly-green color, with midrib and veins of ivory-white, which stand out prominently. 6-in. pots, 18 to 24 in. tall, each \$2, \$2.50 and \$3; large specimens, each \$3.50, \$4 and \$5.

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Beautiful plants, exceptionally well berried. 8, 10 and 11-in. tubs, each \$2, \$2.50, \$3, \$3.50, \$4 and \$5.

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Fall importations. 10 and 12-in. bush form, 100 \$20; 12-in. bush form, 100 \$30; 12 and 15-in. bush form, 100 \$25; 15-in. bush form, 100 \$40; 18-in. bush form, 100 \$75; 24-in. bush form, doz. \$18; pyramids, 3 to 5 ft. tall, each \$3, \$3.50 and \$4; standards, each \$2.50.

ABIES NORDMANNIANA.

7 and 8-in., heavy, each \$1 and \$1.25; large tubs, each \$2.50.

ENGLISH IVIES.

Both the large and small leaf varieties. 4-in. pots, 100 \$15, 1000 \$110.

ANTHERICUM BICHETII.

A new variety of dwarf habit, forming a dense, bushy tuft about 6 in. high, with gracefully recurving foliage about ½ in. wide, prettily edged with creamy white. A very useful plant for fern dishes, window-boxes, Christmas baskets, etc. 3-in. pots, doz. \$2, 100 \$15.

NEPHROLEPIS (150,000).

Todeaoides (London Fern). One we think of very highly. 2½-in. pots, 100 \$6, 1000 \$50; 4-in., 100 \$20, 1000 \$180; 6-in., doz. \$6; 8-in., doz. \$12; 9 and 10-in. tubs, doz. \$24, \$30 and \$36.

Elegantissima Improved. This variety is a greatly improved *Elegantissima*, and will prove a valuable addition to the crested varieties. 2½-in. pots, 100 \$6, 1000 \$50; 4-in., 100 \$20; 6-in., doz. \$6; 8-in., doz. \$12 and \$15; larger plants, each \$2, \$2.50, \$3 and \$3.50.

Scholezi. This is an ideal crested Fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston. 2½-in. pots, 100 \$6, 1000 \$50; 4-in., heavy, 100 \$20, 1000 \$180; 6-in., heavy, doz. \$6, 100 \$45; 7-in., heavy, doz. \$9, 100 \$70; 8-in. three-quarter pots, doz. \$12, 100 \$90; 11-in. tubs, doz. \$24 and \$30.

Elegantissima Compacta. A dwarf, compact form. 2½-in. pots, 100 \$6, 1000 \$50; 4-in., 100 \$20; 6-in., doz. \$6; 8-in., doz. \$12.

Robusta (New). The Silver Medal Fern at the National Flower Show, winning over all competition. It is the strongest grower of all the Nephrolepis Ferns, never reverts and every plant is symmetrical and salable in all sizes. 2½-in. pots, 100 \$10, 1000 \$90; 4-in., 100 \$25, 1000 \$200; 6-in., 100 \$50 and \$75; 8-in. Azalea pots, doz. \$12 and \$15; 11-in. tubs, each \$2, \$2.50 and \$3.

"Teddy Junior." A Grand New Dwarf Fern. The best fern of its type. Fine, young plants from 2½-in. pots, 100 \$8, 1000 \$75; 4-in., 100 \$20, 1000 \$200; 6-in., 100 \$50; 6-in., 100 \$75; 8-in., doz. \$15; 11-in. tubs, each \$2, \$2.50 and \$3.

Scottii. 2½-in. pots, 100 \$5, 1000 \$45; 4-in., 100 \$20, 1000 \$180; 6-in., doz. \$6, 100 \$45; 6-in. pots, heavy, doz. \$9, 100 \$70; 8-in., three-quarter pots, doz. \$12, 100 \$90; 10-in., three-quarter pots, doz. \$18; 11-in. tubs, each \$2, \$2.50 and \$3; 13-in. tubs, specimen, each \$4, \$5 and \$6.

Smithii. It is a compact form, much finer than *Amerpohlii*, and does not break down in the center; particularly showy for basket work. 2½-in. pots, 100 \$10, 1000 \$90; 4-in., 100 \$25; 6-in., doz. \$6 and \$9; 8-in., doz. \$12 and \$15.

Tuberosa Plumosa. This beautiful fern is quite distinct from all of the other varieties. The fronds are long and narrow, the pinnales beautiful plumose, of light color, giving the fronds a beautiful effect on account of the two distinct shades. 2½-in. pots, 100 \$10, 1000 \$90; 4-in., 100 \$25, 1000 \$225; 6-in., 100 \$50; 6-in., doz. \$9; 8-in., doz. \$15.

Bostoniensis. Wm. K. Harris. The finest variety for large plants. 2½-in. pots, 100 \$6, 1000 \$70; 4-in., 100 \$20, 1000 \$180; 6-in., doz. \$6, 100 \$45; 6-in. heavy, doz. \$9, 100 \$70; 8-in., doz. \$12 and \$15; 11-in. tubs, each \$2, \$2.50, \$4, \$5 and \$6.

Bostoniensis Harrisii. A dwarf type of Harrisii. 2½-in. pots, 100 \$6, 1000 \$50; 4-in., 100 \$20, 1000 \$180; 6-in., doz. \$6, 100 \$45; 7-in., doz. \$9, 100 \$70; 8-in., doz. \$12 and \$15; 11-in. tubs, each \$2, \$2.50 and \$3.

ASPARAGUS PLUMOSUS NANUS.

2½-in. pots, 100 \$4, 1000 \$35; 3-in., 100 \$7, 1000 \$65.

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The best variety for either a pot plant or for cut fronds. 3-in. pots, 100 \$10, 1000 \$90; 4-in., 100 \$20, 1000 \$180; 6-in., doz. \$6, 100 \$45; 8-in., doz. \$12, 100 \$90; 11-in. tubs, doz. \$24.

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We can also supply a limited stock of tall plants, 15 inches high, in 2-inch pots, suitable for hamper work, \$1.50 per doz.; \$10.00 per 100.

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10 " " 3 " " 5 to 5 1/2 ft. "	10.00
12 " " 3 " " 5 1/2 to 6 ft. "	15.00
13 " " 4 " " 6 1/2 to 7 ft. " heavy	20.00
15 " " 1 " " 7 ft. "	25.00
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6 " " 6 " " 24 " "	1.00
6 " " 6 to 7 " " 28 to 30 " "	1.50
7-in. tubs, 6 to 7 " " 36 to 38 " "	3.00
8 " " 6 to 7 " " 42 to 45 " "	4.00
8 " " 6 to 7 " " 45 to 48 " "	5.00

PHOENIX CANARIENSIS.

8-in. tubs, 3 ft. high	Each \$2.50
9 " " 3 1/2 ft. high	3.00
10-in. tubs, 4 ft. high	Each \$4.00
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Exceptional values in the following sizes.

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Has a strong upright growth, the wood being very stout and smooth, with large handsome dark green foliage, practically mildew or black-spot proof. The flowers, which are freely produced, are of good size and substance with abundant petals, opening freely. The color is a shell pink deepening toward the centre with the large smooth petals tipped deep rose.

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Own Root..	\$30.00	\$70.00	\$125.00	\$250.00	\$565.00	\$1000.00	\$1800.00
Grafts.....	35.00	82.50	150.00	300.00	690.00	1250.00	2300.00
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BOSTON FERNS 2 ½ in. \$3.00 per 100,
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WHITMANI COMPACTA 2 1-2 in. \$5 per 100
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\$3.00 per 100; \$20.00 per 1000.

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Best strain in existence.

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**In Writing Advertisers Kindly Mention
HORTICULTURE**

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toll, we ought to blame the culture, not the soil."—

LIBRARY
NEW YORK
BOTANICAL
GARDEN

Chrysanthemum Stock Plants

As the chrysanthemum season draws to a close it is time to think about stock for another season. Select up-to-date varieties. Each good stock plant should produce about twenty cuttings, so it is easy to figure out how many stock plants will be needed. A frame that can have plenty of protection during the winter is about as good a place as they can be put in, but be sure it is located where they can get plenty of sun. They can also be wintered in a cool pit where the frost can be kept out. Keep them in a moist state at the roots. Do not let them get overrun with black fly before fumigating.

Palms in Winter

All palms like a short season of rest. This can be brought about by lower temperature and dryer atmosphere with less water at the roots. All tropical palms can have their temperature reduced to about 60 degrees at night while 50 degrees will be all right for the cooler growing ones. This rest is meant more for large palms. Where they are quite small it would be out of place. Most of the palms should have plenty of light during the winter months, only keep enough shade so they will not scorch. Do not neglect syringing. It is a good thing to go over the palms about once a month and give them a good sponging.

Orchids

To counteract the drying influence of the strong fire heat dampen between the plants and under the benches thoroughly two or three times a day. It is better to have a gentle warmth running through the pipes with ventilation than to try to bottle up some heat by shutting down the houses early. Such treatment often produces the right condition for the spread of fungus or spot. During the cold season keep all orchids at their minimum temperature. Particular care should be given in watering. The cool house should have a night temperature of about 50 to 55 degrees; with sun about 65 degrees; without sun anywhere from 55 to 60 degrees. The intermediate house can be kept about 60 degrees at night; 70 degrees with sun; without sun around 65 degrees will do. In the warm house anywhere around 62 to 65 degrees at night will be high enough with a corresponding rise.

Next Week: -Care of Pelargoniums; Lilies for Easter; Propagating Lorraine and Cincinnati; Propagating Carnations; Sowing Primulas; Panax Victorine.

Propagating Bouvardias

Stock plants that have been saved* and rested up can now be brought into a warm house. They will need some pruning to relieve the plants of all the immature wood and the top growth will cut back to the ripened wood. Give a temperature of from 60 to 65 degrees at night. The day temperature can run up 10 to 15 degrees higher. Keep the plants moist at the roots and syringe on all good days to help swell the buds. They will soon break into a fine growth that will make good cuttings. The cuttings can be taken off close to the base of the mature wood. They will root best in a frame, with bottom heat of about 75 degrees. They will have to be kept close and moist until rooted. When potting off use a mixture of loam three parts, leaf-mold two parts, and some sand.

Winter Protection

We are now coming to a period of the year when severe cold weather may be expected at almost any time. So winter protection should be afforded on whatever is really necessary, but do not rush this work too soon. The winter mulch of whatever nature should not be applied until the ground begins to freeze. All hardy perennials should have a winter mulch of coarse manure, straw or some other material. Bulbs and lily beds can be covered with a liberal mulch of leaves or straw, which will tend to keep them from becoming hard frozen. Hybrid Perpetual roses can have the soil drawn up to the center of the plants around the wood, and a mulch of manure later on will prevent them from getting winter killed too far back for pruning. Hybrid Teas will be better and safer if lifted and stored in a cold frame or buried outside in a trench and later covered with a mulch. Some evergreens that are doubtfully hardy will also need some protection in order to carry them through.

Flats

Now is the time to get together a supply of flats for future use in holding and growing on the young plant stock. After the middle of January the rush will start so what is done now will come in handy then.

SHOP EARLY

Can be made by buying the quality of Holiday Plants and Supplies specially offered by advertisers in this paper. Look through the ads. and then order at once.

Don't wait until stock has been all picked over.

BIG PROFITS

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Outside Roses

If not already done it will be well to heap up a little earth to all the tender varieties of the outside roses. Strawy manure will answer this purpose as well, and in some cases better. Wherever there is danger from mice it will be better to use soil, and heap this up about eight inches around the bottom of all the plants. The tall growing kinds will carry through safer if they are tied up so that the snow will have no chance to weigh them down and thus break them. To protect the canes it will be advisable to wrap them up into a little straw, or meadow hay, tying this fast, so that there will be no danger of its blowing away, when the heavy wind comes. As soon as the ground freezes, apply a mulch of strawy manure to all the rose beds so that they will have about three inches of it at least. Horse manure as it comes off the cars will be ideal for this purpose, and will furnish a little food for the plants as well. All tree roses had better be carefully tied up, wrapped into straw, and then tied to heavy stakes so that there will be no danger of their being broken down by sleet and snow. Ramblers that are on exposed rocks or stone walls with a southern exposure, had better have a little protection too, for the freezing and the thawing as the weather changes will not agree with them. They will stand all the frost in the world, and so will other roses, but they had better be kept frozen all the time, after they once freeze, as it is the thawing and freezing that will kill them. Scale will often infest roses outside, and it will be well to watch out for it, and mark well all places where it appears, and see that these are well sprayed with some of the insecticides that will kill scale and that are advertised elsewhere in HORTICULTURE. Wherever any breaks on the grafted or budded stock are found coming up from the roots, they had better be removed at once, for they only prey on the plant, taking the best of all that the roots find, and after a while the plant will die. Tobacco stems form an ideal mulch for outside roses, and can be used summer and winter. They will help keep out many insects that are injurious. They can sometimes be had at a very low cost from the local cigar manufacturer and if not can be bought from seedsmen at a reasonable figure. It pays to use them, if only a little layer over the manure. Wherever the canes are too long and will have to be cut down in the spring, it will not do any harm to clip them off a little now, although we would not advise regular pruning at this time of the year. If pruned now, they will have to be gone over next spring again to remove whatever wood may have perished during the winter, and that will mean doing one thing twice. Another thing that will need attention is the labels. Go over all the labels now, and see that they are O. K. and will be readable next spring. Galvanized iron labels are not very expensive, and when written on with acid the writing will never wear off, and the labels stay put for years.

Electric Light on Roses

There are several electric companies experimenting with various forms of lamps that would affect the growing of the roses, or other flowers. We have tried these lights both on roses and carnations, and so far have not been able to see any better effects. The latest is a lamp of tremendous candle power, throwing a peculiar light, which is free from all red rays. It gives a ghostly appearance to everything around it, and to persons especially, changing the color of their skin to a strange greenish copper. It is very bad for the eyes, as the light is very penetrating, but we are afraid it will not come up to the rays of the sun or take the place of daylight. Although these lights show wonderful improvement, it will be quite a while before someone invents a light that will affect the growing of plants.

About Grafting

Mr. A. C. Ruzicka,

Dear Sir: I am writing to ask you on which is the best stock to graft Mrs. Aaron Ward rose, and also the best way to graft same.

Respectfully yours,

N. Y.

F. C. H.

We would recommend Manetti stock and the ordinary method of grafting, splitting the stock with a very sharp knife, and inserting the graft on either side. Seal well with wax and tie tight with raffia, and apply a little wax or hot paraffine to this with a brush; this will keep all the air out, and will help the two to unite. Never move the plants around directly after grafting, for the slightest touch is liable to dislodge the two back tissues and of course the graft will not take then. Put all grafted stock in a house by itself and arrange to give a good bottom heat, say 68 degrees F. or possibly a little more. Keep the top temperature cool, say 54 degrees F. or even as low as 50, if it can be done, until the stock and the graft unite. The plants can then be brought into warmer quarters, bottom heat done away with, and the plants allowed to make a slow start. Do not hurry them into growing too fast, as it does not pay. Have all the wood that will be produced of good firm texture, and nothing weak that will be subject to every disease that comes along. For our part we would much rather buy the plants already grafted and ready for planting, as it is far cheaper to do so, when only a few are wanted. Firms that make a specialty of this can not only do the work better, but the plants may be better too, as they grow them by the thousand as a rule, and have specially built houses for this purpose.

About Shawyer, Russell and Six-foot Stems

Mr. Ruzicka:

Dear Sir—I am a private gardener, and have a 100 foot house of roses, Killarneys, Richmond, Hadley and Shawyer. All do well excepting the latter, which is usually covered with mildew. My employer has told me to throw it out and grow Russell instead. Will you kindly advise me if this rose is a good continuous cropper.

Also I want to exhibit in the fall. Will you kindly inform me how the long-stem Russell and other roses are

obtained. I have noticed the Russell fully 6 ft. long shown by private gardeners. Kindly tell me when to plant and any advice you can give me in order to produce these long roses by exhibition time, Oct. 25 to Nov. 10. Any information gratefully accepted.

N. J.

Yours truly,
W. L.

Shawyer will do its very best when grown in a house all by itself, or if the house is run to suit it, and let the other roses come along as best as they can. It will do better if grown a shade cooler than the customary rose temperature, as this will make it produce softer growth, which is very apt to get mildew. It will stand a good deal of feeding, but keep stimulants away, using only cow manure if possible. If good conditions are given this rose it will certainly produce some elegant cut blooms, and is very floriferous. Russell is a very nice rose, and we think it will do much better in your house with the other roses, than what Shawyer did. It is a good grower, sturdy, and not an easy subject to disease, producing flowers on nice stiff stems. If conditions are suitable, we are sure you will have no trouble to have a continuous cut of blooms from this variety, and we are sure your employer will like it very much.

Regarding the extra long stems that the stock exhibited possesses, we can safely say that most of it has been pinched once or twice. Some flower shows bar these double or triple-jointed roses, and we would advise you to make sure of your ground before taking these pinched stems to the show. A fancy can be pinched as early as August or even July. Another break will continue up, and as soon as this buds, it is pinched again and so on until the stems get to the length desired. Care should be taken, however, to pinch these buds when they are very small, say the size of a grain of wheat. If they are allowed to get any larger than this the wood will get hard, and it will be a little while before the new break starts up. If they are pinched on time, and the plants kept in a healthy growing condition, they will not stop very long, but continue to grow almost at once. Take at least one leaf with the bud when pinching, for if this is not done, the growth starting up will have a bud before it is more than eight inches long. Two leaves will be better, only be sure it is done on time. The joints will not show much when the buds are taken out very small, and the stems will not get crooked, as they would if the buds are allowed to attain any size. Plant your house early, in May, and you will be sure to have the plants plenty strong enough to give you these long stems, and you will also be safe in feeding a little liquid manure if it should be necessary to give the flowers the proper color and finish. Follow our notes on Rose Growing, and you will hear of the work to be done all along, and you will not be far out of the way if you follow this. Should you wish any further information about your particular case, we shall be glad to hear from you.

Ferns and Roses in Same House

Mr. Ruzicka:

Dear Sir:—Could you kindly answer the following for me: I have just planted one bench and a half of roses in a house where there are some ferns planted, and where there are some palms, crotons, etc., growing. One bench of roses is half Killarney, and the remainder Richmonds, the other half is planted to Hillingdon. The plants are just out of 4 in. pots and some are small. What success would I have with these under the conditions mentioned,

and what would be the best treatment? My idea is that the ferns and palms would require more syringing than the roses, and at times when it would be unsuitable to the roses, especially to the Killarneys. The other matter is that I planted them into soil that is too light for them, as it was prepared before I took them over. It gets very spongy, when I water them. Would it be best to tread the soil in the benches? There is too much stable manure in the soil also.

Maryland.

Yours very truly,

H. W. O.

If all is as you say we certainly feel sorry for you, being compelled to grow the roses under the conditions you mention. They will amount to very little, and if you will have to run the house to suit the palms and the crotons, we would advise you to give up the idea at once, and plant your roses some other place, or else give up growing them. There is only one way to get roses under the circumstances, and that is to have a large number of old plants on hand of all the varieties wanted, and then take a dozen or so of dormant plants into the house every few days. If these are strong, they will send out some nice shoots, and will bear a crop of fairly nice roses. As soon as these are cut off, however, the plants must be thrown out, and new ones brought in. We have had but they were all plants that were taken out of a rose house and grown outdoors one season, allowed to freeze quite a little, and then when they were lifted to be planted inside again they have nice bunches of roots, so they responded to heat and water almost at once. It is very hard to tell you how to treat your roses under these extraordinary conditions, and in fact we would not undertake it, for we would have to advise things suitable to the roses, and this would lose your crotons more than likely, and would burn up your palms and your ferns would be out of color we very much fear, for there would be no protecting whitewash on the glass. From what you say, the soil is not very suitable, and we think it would be best to replant in better soil, or else put them out. There may be a way of screening your house with cheese cloth, using the front benches for roses, and then running the cheese cloth between these and the palms, etc., which would be on the back benches or on the north side if the house runs east and west. By doing this, and managing to run your rose benches the temperature you require for these, your chances for success would be better although they would be none too good at best. If you must grow these in the same house we would do it this way. If you cannot change the soil in the benches, firm the soil that lies directly around the plants, and increase the circle as the plants grow. If you should firm all of it at once, we are afraid it would turn sour, and you could do little with it then. Do not choose a too heavy soil, and do not use up more than four inches of it in the benches, for they will not dry out the way they would in a regular rose house. We would not syringe the roses any more than you have to to keep them clean, as they would get plenty of moisture through the cheese cloth from the palms. The manure will not do so much harm if it is not fresh. Water only right around the plants, and do not water the whole bench until after the plants grow up, and the soil is full of roots. However, if possible at all, move either the roses, or the rest of the stock out of the house for we very much fear that one of the two will come to grief.

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by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—New Rose Mrs. Moorfield Storey	
NOTES ON CULTURE OF FLORISTS' STOCK—Chrysanthemum Stock Plants—Palms in Winter—Orchids—Propagating Bouvardias—Winter Protection—Flats— <i>John J. M. Farrell</i>	825
ROSE GROWING UNDER GLASS—Care of Outside Roses—Electric Light on Roses—About Grafting—About Sawyer, Russell and Six-foot Stems—Ferns and Roses in Same House— <i>Arthur C. Ruzicka</i>	826-827
AFTER ADJOURNMENT.....	830
LET BROTHERLY LOVE PREVAIL— <i>G. C. Watson</i>	830
THE VALUE OF THE TRADE JOURNAL.....	831
TEXAS ROSES FOR SAN DIEGO EXPOSITION— <i>R. C. Kerr</i>	831
THE VALUE OF SODA WHEN POTASH IS SCARCE— <i>Burt L. Hartwell</i>	831
AMERICAN CARNATION SOCIETY—Program of Buffalo Convention—Premium List.....	832
Boston to Buffalo—New Carnations Registered.....	833
CLUBS AND SOCIETIES—Albany Florist Club—Minnesota Horticultural Society—Park Institute of New England—Pittsburgh Florists' and Gardeners' Club—Newport Horticultural Society.....	834
Florists' Club of Washington—National Association of Gardeners—Society of American Florists.....	836
Club and Society Notes	837
OBITUARY— <i>J. F. Mallon</i> — <i>George Cooke</i> — <i>Franz Schramm</i> — <i>John J. Connelly</i> — <i>Joseph B. Robinson</i> ...	839
SEED TRADE—Prison for Bogus Seed Man—Supply of Sugar Beet Seed—To Correct Abuses in the Seed and Bulb Trade	844
OF INTEREST TO RETAIL FLORISTS:	
Two Pleasing Floral Arrangements—Illustrated...	846
Christmas Hints—Window Advertising.....	847
Flowers by Telegraph	850
The Mid-December Lull— <i>G. C. W.</i>	850
New Flower Stores	852
Arrangement of Roses and Barberton Daisies—Illustration	852
NEWS ITEMS FROM EVERYWHERE:	
Boston,—San Francisco—Washington—Chicago	849
New York	851
FLOWER MARKET REPORTS:	
Albany, Boston, Buffalo	855
Chicago, New York, Philadelphia, San Francisco, St. Louis, Washington	857
MISCELLANEOUS:	
Anniversary Greetings	830
Two Promising New Dahlias—Illustrated.....	833
Publications Received	838
A Nursery Company Expands	844
Business Troubles	844
A Landsdowne Howl	851
Visitors' Register	852
Personal—During Recess	853
News Notes	853
New Corporations	862
Notable Increase of Insect Remedies	863
Maximum Light in the Greenhouse	864
Coke for Greenhouse Heat	864
Greenhouses Building or Contemplated.....	864

An
anniversary

This is HORTICULTURE's tenth annual Christmas number. It also marks the tenth anniversary in HORTICULTURE's career. Many changes have taken place in the ten years which have elapsed since HORTICULTURE's first issue appeared. Of the men who were most active in floriculture at that time a startling number have passed away. Of the varieties of roses, carnations and chrysanthemums which held the leadership in the floral world almost all have been supplanted. The business has grown enormously, greenhouse construction has made mighty progress and great strides have been accomplished in the way of store equipment and selling methods. And—which interests us most of all—HORTICULTURE has entrenched itself more strongly with each passing year and those who at the start could see "no room for another paper" now realize that they were mistaken and are not sorry.

Ten
years

In turning over the pages of HORTICULTURE for the past ten years we quickly find that, in the flower business as in many other respects, "history repeats itself." For instance, it is quite interesting to note how uniformly wholesale prices on certain staples have been maintained for corresponding dates from year to year. Ten years ago the same stagnation followed the Thanksgiving Day activity which we have been experiencing this year, just as it had been in the years preceding and has been in all the years since, although there was no war or notable commercial depression which could be held responsible. The general belief that market prices are lower this year than ever before at this date appears not to be well-founded, if weekly trade paper quotations in the past are any criterion. Indeed, on roses the figures given are in some cases considerably higher than those given years ago, but it must be conceded that the quality of the goods on which the quotations are given is far ahead of that of—say ten years since. With the exception of the violet and the cattleya the standard of value, generally, seems to have been maintained quite well, everything considered.

Looking
forward

What of the next ten years? When HORTICULTURE has reached its twentieth anniversary how will the record of progress read? How many of the present-day favorites in plants and flowers will have passed into oblivion and on what new lines will advances have been made? The writer of these notes hopes to be still able to swing the editorial pen after the lapse of another decade and that in the onward and upward march of advancement in the art to which all its energies are devoted HORTICULTURE may be privileged to take an honorable and honored part. Shall we see the national society quadruple its membership and become a great and efficient bulwark against malign influences and pernicious legislation? Will the paramount problem of flower distribution have come any nearer to solution? Shall we have our home-grown Dutch bulbs, forcing lilies, lily of the valley, rose stocks, rhododendrons, lilacs and azaleas? We should like to see all these things come about and there are many more ideals in every department of horticulture to which we may and should aspire. We do not doubt that the coming years will be well filled out with American horticultural triumphs. No profession offers a fairer field or a more certain recompense. To the work and the workers HORTICULTURE again pledges its best. Look forward, not backward.

To Our Loyal Friends An Appreciation

Nearly two hundred enterprising American business houses in the various horticultural and allied industries are represented by display advertisements in HORTICULTURE each week. Many of these have been doing so regularly for years. Almost without exception these are among our leading and most successful firms who would never be accused of squandering their money in unproductive expenditure.

"There are others" who should be there but are not. They paddle along unknown to or unrecognized by the thousands of readers of HORTICULTURE, and all apparently for the "penny-wise and pound-foolish" saving of a few dollars advertising cost, thus leaving the advantages of this business-getting medium for their competitors to enjoy. When they get ready to "loosen up" HORTICULTURE will gladly welcome them into the fold. We would respectfully urge upon our readers the desirability of their giving as much of their trade as possible to the good friends of this journal, the houses whose advertising support makes HORTICULTURE a possibility and to whom grateful recognition is hereby extended on this, our tenth anniversary.

The Editor

After Adjournment

Send in your subscription now for 1915.

Watch out for red spider on the azaleas. Don't neglect syringing.

HORTICULTURE—They all read it and they read it all. That makes it a good advertising medium.

The most wasteful man we know of is the one who tries to force tulips in to bloom for Christmas.

The holly business in some cities has now gone largely into the hands of the market men and the fakirs.

Keep an eye on the azaleas and remove any young leaf sprouts that start to grow around the flower buds.

Don't allow those poinsettias crowded in pans to suffer from hunger. Give them liberal food or they are liable to shed their foliage.

Clean up, clean up. Holiday customers will now be dropping in to get suggestions and look over your stock. Have everything scrupulously neat.

Prepare for cold weather shipping. Good packing is an essential to a successful flower and plant business and an expert packer is one of the best adjuncts of a store.

Cyclamen plants are very fine this year. Christmas sales of this bright, moderate priced subject should be large. The new salmon colored varieties are in special demand.

A few of those seedling carnations that "run all to grass," if planted in an out of the way corner will furnish foliage which will add 20 per cent. to the value of any bunch of carnation flowers.

Try a few strawberry plants. Now is the time to start them. Set them on a shelf well up to the glass. Have the pots clean at the start. Cleaning after the fruit has formed is sure to damage the berries.

The time is now close at hand when Old Boreas is liable to swoop down with a howling blizzard and woe be to him who is unprepared. The greenhouse owner can have no more faithful friend at such a time than one or several of those Standard Electric Thermostats. They never sleep.

Never before have there been so many varieties of flowers placed before the buyers as at the present time. Calendulas, wallflowers, snapdragons, myosotis, nasturtiums, bouvardias, rubrum lilies, and the little Fireflame and Cecile Brunner roses are found quite generally in the wholesale marts in addition to the time-honored list of standard stock. A few years ago one might have hunted a long time before finding any of the above-mentioned in the month of December.

Anniversary Greetings

To HORTICULTURE:

Many happy returns and may there be success for everyone.

ROBERT CRAIG CO.

Phila., Pa.

Dear Friend:

A joyous Christmas to HORTICULTURE and to you and yours.

ALEX. McCONNELL.

New York.

To HORTICULTURE.

We wish to congratulate you on the tenth birthday of HORTICULTURE, and we wish you the return of many more.

With kindest regards, I am,

Sincerely yours,

W. F. THERKILDSON.

Advertising manager,
W. Atlee Burpee & Co.

Arrangements were last week completed for the paying over of the \$19,000 necessary to give the Maryland Agricultural College a clear title to the property upon which it is located at College Park, Md. Several times legislatures have objected to appropriating money on the ground that the college did not have a clear title to the property. As a means to an end it has been considered advisable for the State to foreclose its mortgage and for the college to buy it in at the foreclosure sale.

Let Brotherly Love Prevail

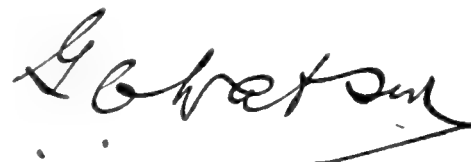
Our esteemed editor thinks a word of Christmas greeting from "the banks of the green Delaware" (as Tom Moore put it)—to his countless readers in the United States and Canada—and the rest of the Anglo-Saxon world—is in order. It's a long way from William Penn to the present minute. But even then (in Wm. Penn's time) they had their troubles. They had to import bricks. Today you can see some of the old relics around Philadelphia, built of the original imported. But William Penn never felt that he had to kill an Indian to get his trade. On the contrary he made friends with the Indian, paid for what he got, and never had to fight anybody. The Pilgrims and Puritans were not nearly as wise. If we may believe history—when they landed—

"First they fell upon their knees and praised the Lord,
And then got up with fire and sword,
And fell upon the Aborigenes!"

There is still a large leaven of the William Penn spirit about Philadelphia, and we trust she will long remain a Beacon and a shining light to the rest of the country. Especially as regards morality in business. In many other parts of the country the Ten Commandments seem to be a dead letter. Of course we do not mean by that, that we refer to any reader of HORTICULTURE. We know very well that they do business differently.

This greeting therefore is:—to gird up your loins—and stand by the Wm. Penn standard! We are all one big family—all friends, and we must be true to the truth and love one another. Cheating, lying, stealing, killing—in all their varied forms and modifications, must be resolutely banished from our daily life and dealings!

Let brotherly love prevail!



THE VALUE OF THE TRADE JOURNAL

The dominating idea of the trade press is greater efficiency. The increased efficiency of the modern business man, and this applies to florists and general horticulturists as well, is due in large part to the Trade Journal. We make the above parenthetical reference to florists, nurserymen, and general horticulturists because it is widely conceded by prominent men in the trade that a majority of its members are poor business men. Why this should be so is difficult to understand, but the fact remains that too many ornamental horticulturists manufacture their product in hit or miss fashion. The same applies to the retail distributors of flowers and plants. The producer who guesses the significance of the term "manufacture," and realizes that his product requires just as much efficiency in its production as that of automobiles, furniture, or any other object in the factory, is the one who is most likely to attain success. Should the reader question the service rendered by the trade paper in this connection, consideration of the facts will demonstrate the truth. In the first place, a medium for the discussion of new ideas is provided; secondly the trade paper has developed new ideas of its own initiative.

The best place to get a clear, authoritative and complete discussion of a new plan for improving methods of production or management is in the pages of the trade paper. You can count on its being there. Any discovery of a better system of production or an improved method of handling material, is fairly likely to find its way into the trade papers sooner or later.

The big men of every business are invariably the men who read their trade papers most closely. Of course we cannot say that they are live wires because they read trade papers; it may be a cause instead of an effect. But it is definitely true and a very significant fact that the men who are making the biggest successes are those who are using the trade papers in a way calculated to get out of them all the value that they possess.

The modern trade paper performs a definite service. It has something of value to say to its readers, be it the experiences of members of the business, news items or market reports. No merely general publication could ever hope to possess the definite value that the trade paper holds for the man in the business it reaches.

Right here is where the trade paper comes in as a productive advertising medium. Grower, wholesaler, retailer, from production to distribution, all are intensely interested in the service each is able to render. The grower and wholesaler are selling their goods to the retailer. The retail florist sells his product to the general public. But the retailer reads his trade papers if he is even only one-half progressive. He reads it for new ideas, for news, and for the

new articles that are being advertised. One grower has something to sell to other growers, a new seedling, a fine strain of flower, or cuttings in quantity. He wants retailers to demand his latest variety or growers to grow it. What better medium for letting the trade know what you have to sell than the papers that cater to the trade? Subscribers and advertisers in the trade papers meet on intimate terms. No wide gulf exists between reader and advertiser as is the case in many daily newspapers, where everything from fake remedies to automobiles is advertised. Only the products that the reader is interested in are advertised in his trade paper and he is going to buy them as a necessary part of his business.

The advertiser in the trade paper has a comparatively easy task by reason of the intelligent receptivity of the reader. His advertisements, if read at all, are bound to be read by those who know and appreciate what he has to sell.

S. L. F.

TEXAS ROSES FOR SAN DIEGO EXPOSITION.

I want to make an appeal to the florists of Texas in behalf of the rose display at the San Diego Exposition.

If we can send 2,000 or 3,000 rose bushes to San Diego, the Horticultural Committee will see that we get a nice space and that they will be well displayed. This is certainly a most economical way of advertising Texas and her products.

Now it is not going to tax any florist very heavily in sending say fifty roses of the best variety to San Diego prepaying the express charges, and addressing them to—J. C. Knox, care San Diego Exposition, San Diego, California. The committee will do the rest. The shipper's name will be displayed in his exhibit and the exhibit, as a whole, will be marked "Texas-Grown Roses."

It seems to me that this is certainly an opportunity for the florists and nurserymen of Texas to show what we grow in this great state in the line of roses, and I certainly hope that this appeal will meet with ready response. I would like to hear from those who expect to send something and would like to be advised time shipment is made. Now don't put this off thinking the other fellow will take care of the shipments and yours may not be necessary, for we all may be of the same opinion and have no display. Attend to this now as this is a good shipping season and by the time they reach California and are planted they will be in just at the right time for the opening of the Exposition.

I trust that every florist will feel that he is under an obligation to respond to this call and make shipment promptly and that we may have a nice display in due time.

Yours respectfully,

R. C. KERR, President,
Texas State Florists' Assn.

THE VALUE OF SODA WHEN POTASH IS SCARCE.

Owing to the European war, farmers may have difficulty in getting their next year's potash from Germany, the natural source of most of it. It is especially important at this time, therefore to know to what extent soda (Na_2O) can replace potash (K_2O). A field experiment which has been conducted for twenty years at the Agricultural Experiment Station of the Rhode Island State College is probably the most important source of such information in this country.

The following results (in pounds), selected from those secured in 1914 will serve to indicate the value of soda.

15 lbs. potash per a. without soda:		
Carrots.	Potatoes.	Onions.
252	153	21
15 lbs. potash per a. with soda:		
Carrots.	Potatoes.	Onions.
306	183	63
45 lbs. potash per a. with soda:		
Carrots.	Potatoes.	Onions.
390	249	138

Each preceding weight represents the total yield from small triplicate areas. Equal amounts of nitrogen and of phosphoric acid were applied in each case. As the crops grew side by side, although not on equal areas, indications are afforded of the relative deficiency of potash, and value of soda, for the three crops.

From three to four tenths of the actual increase caused by both the soda and the additional amount of potash is seen to have been caused by the soda. The deficiency of potash was so great, with only 15 pounds of potash, that the addition of soda did not result in normal yields. Had the deficiency been less and a larger amount of soda been added, it is probable that practically normal yields would have been obtained. Two weight parts of soda are chemically equivalent to three parts of potash and the two materials were added in this proportion in the experiment.

Owing to the fact that the manurial treatments had been continued for a number of years, the potash had not only become very deficient in certain plots, but the soda must have exerted, previously, much of its effect.

The experiment has indicated during its course that an application of soda to most of our granitic soils would insure the production of normal crops, if potash should be unobtainable in 1915.

One weight part of soda is equivalent to about three parts of nitrate of soda and about two parts of either crude soda ash (sodium carbonate) or common sale. Aside from being a source of soda, the soda ash would reduce the acidity of acid soils; for this purpose it is equivalent to an equal weight of ground limestone.

There is soda enough in the moderate application per acre of 200 pounds of nitrate of soda and 270 pounds of soda ash to be equivalent to 300 pounds of potash; so that, if only a third of it really took the place of potash, it would be temporarily equal to adding 100 pounds of the latter.

BURT L. HARTWELL, Director,
Kingston, R. I.

AMERICAN CARNATION SOCIETY

TWENTY-FOURTH ANNUAL MEETING AND EXHIBITION TO BE HELD IN BUFFALO, JAN. 27-28, 1915.

OFFICERS OF THE AMERICAN CARNATION SOCIETY:

President, S. J. Goddard, Framingham, Mass.; Vice-President, S. A. Anderson, Buffalo, N. Y.; Secretary, A. F. J. Baur, Indianapolis, Ind.; Treasurer, F. E. Dorner, Lafayette, Ind.

Directors—Eug. Dailedouze, Brooklyn, N. Y.; Peter Fisher, Ellis, Mass.; F. R. Pierson, Tarrytown, N. Y.; S. J. Goddard, Framingham, Mass.; F. Burki, Gibsonia, Pa.

Judges—R. Witterstaetter, Cincinnati, O.; Peter Olsem, Wilmette, Ill.; C. W. Johnson, Morgan Park, Ill.; Eug. Dailedouze, Brooklyn, N. Y.; Wm. Nicholson, Framingham, Mass.; E. A. Stroud, Stafford, Pa.

OFFICERS BUFFALO FLORISTS' CLUB:

President, Wallace S. Eiss; Vice-President, Rudolph E. Boettger; Treasurer, Emil C. Brucker; Secretary, Wm. Legg.

Directors — Wm. J. Palmer, Chas. Sandiford, Joseph Streit.

Headquarters of the Carnation Society will be at Hotel Iroquois, where the exhibition and meetings will be held. Everything, including the banquet, will be held in this building and the members will find it unnecessary to leave the building during the entire convention.

The exhibition hall and other accommodations compare favorably with any that have ever been placed at our disposal, so that with the accessibility of Buffalo from all directions, this should be a banner convention.

A banquet will be served on Thursday evening, January 28th. Each member will pay for his plate, as was done with very satisfactory results last year. Register as soon as you arrive at the exhibition hall and secure your banquet ticket.

The exhibition will be reserved for the members until 8.00 P. M. on Wednesday and again until 2.00 P. M. Thursday, to enable them to thoroughly inspect the exhibits. The public will be admitted on Wednesday evening and again on Thursday afternoon and evening. No admission will be charged the public at the door.

The first session will be called to order at 8 P. M. Wednesday. Papers are being prepared on live subjects and opportunity will be afforded the members to discuss them fully. Reports will be submitted by the officers and new officers will be elected.

If you have perplexing problems, the most expert growers in the country will be on hand to help you solve them. Submit your questions to the secretary in writing, before the convention, if possible.

THE EXHIBITION.

The exhibition will be staged in the ballroom, which is conveniently located on the mezzanine floor, where it will be of easy access by either stairway or elevator, making it possible to accommodate unlimited crowds. The decorations in these rooms are most beautiful and will make a splendid setting for the exhibit.

There will be ample room to accommodate all the competitive classes, besides any exhibits of novelties the members may wish to show. There will be a number of table decorations, similar to those arranged for the Cleveland exhibition, the necessary blooms to be supplied by the disseminators of new varieties. If you have a new variety you wish to show, please arrange for space in advance, if possible. No charge will be made for such space.

For space for non-competitive exhibits, application should be made to S. A. Anderson, Buffalo, N. Y., stating probable amount of space desired. (See rules governing exhibits).

All express packages should be addressed in care of S. A. Anderson, Hotel Iroquois, Buffalo, N. Y. Express charges on all packages must be prepaid.

Please use regular entry blank in making your entries. Enter in every class in which you are likely to show, as it is easier to scratch an entry than to make a new one at the last minute. A charge of \$2.00 will be made for each entry made after January 17.

Also make out list of name cards wanted, stating how many of each kind.

PREMIUM LIST FOR 1915. American Carnation Society.

SECTION A

Open to All Varieties, Seedling or Standard Sorts.

Class	1st	2nd
1. 100 blooms White	\$10.00	\$6.00
2. 100 blooms Flesh Pink.....	10.00	6.00
3. 100 blooms Light Pink, not lighter than Gloriosa nor darker than Winsor.....	10.00	6.00
4. 100 blooms Medium Pink, darker than Winsor, but not darker than Mrs. C. W. Ward	10.00	6.00
5. 100 blooms Dark Pink, darker than Mrs. Ward and including all so-called cerise not dark enough to be classed as red	10.00	6.00
6. 100 blooms Red or Scarlet	10.00	6.00
7. 100 blooms Crimson or maroon	10.00	6.00
8. 100 blooms Yellow or Yellow Variegated	10.00	6.00
9. 100 blooms White Variegated	10.00	6.00
10. 100 blooms Flaked, Prosperity type	10.00	6.00
11. 100 blooms any other color.	10.00	6.00

SWEETSTAKES

For sweepstakes in Section A, see Section F for special premiums.

SECTION B

Open to All Varieties Disseminated Prior to July, 1914, 50 Blooms to Each Vase.

Class	1st	2nd
12. White Enchantress.....	\$5.00	\$3.00
13. White Wonder.....	5.00	3.00
14. Any Other White.....	5.00	3.00
15. Enchantress Supreme.....	5.00	3.00
16. Pink Delight.....	5.00	3.00
17. Any Other Flesh Pink.....	5.00	3.00
18. Gloriosa	5.00	3.00
19. Any Other Light Pink.....	5.00	3.00
20. Mrs. C. W. Ward.....	5.00	3.00
21. Any Other Medium Pink.....	5.00	3.00
22. Rosette	5.00	3.00
23. Any Other Dark Pink.....	5.00	3.00
24. Beacon	5.00	3.00
25. Any Other Scarlet.....	5.00	3.00
26. Pocahontas	5.00	3.00
27. Any Other Crimson.....	5.00	3.00
28. Benora	5.00	3.00
29. Any Other White Variegated	5.00	3.00
30. Yellow Prince	5.00	3.00
31. Any Other Yellow or Yellow Variegated.....	5.00	3.00
32. Any Flaked Variety.....	5.00	3.00
33. Any Other Color, same as in Class II.....	5.00	3.00

SECTION C

For Varieties Disseminated in the Season of 1913-1914, 50 Blooms to Each Vase.

Class	1st	2nd
34. Matchless, premium offered by Cottage Gardens Co.,	\$6.00	\$4.00
35. Gorgeous, premium offered by Peter Fisher.....	6.00	4.00
36. Champion, premium offered by F. Dorner & Sons Co.	6.00	4.00
37. Princess Dagmar, premium offered by Patten & Co.....	6.00	4.00
38. Philadelphia Pink premium offered by S. S. Skidelsky & Co.	6.00	4.00
39. Peerless Pink, premium offered by Chicago Carnation Co.	6.00	4.00

SECTION D

American Carnation Society Medals.

- Class
40. A gold medal will be awarded to the best vase of 100 blooms of any variety. Must score not less than 90 points.
A silver medal will be awarded to the second best vase in this class. Must score not less than 88 points.
A bronze medal will be awarded to the third best vase in this class. Must score not less than 86 points.
Blooms must be staged in the society's vases until the judging has been finished. After the awards have been made, flowers may be changed to other vases, if desired.

SPECIAL S. A. F. & O. H. MEDALS

For Undisseminated Varieties of American Origin.

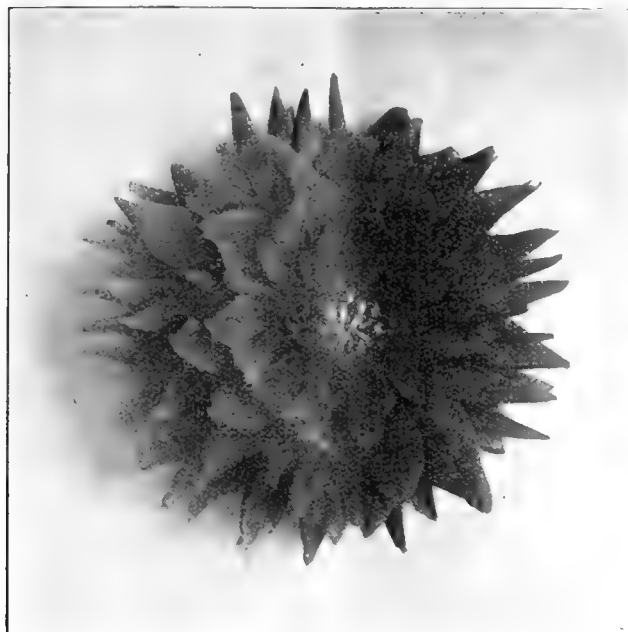
- Class
41. A silver medal will be awarded to the best vase of 50 blooms, any color. Must score not less than 88 points.
A bronze medal will be awarded to the second best vase in this class. Must score not less than 86 points.

FRED DORNER MEMORIAL MEDAL

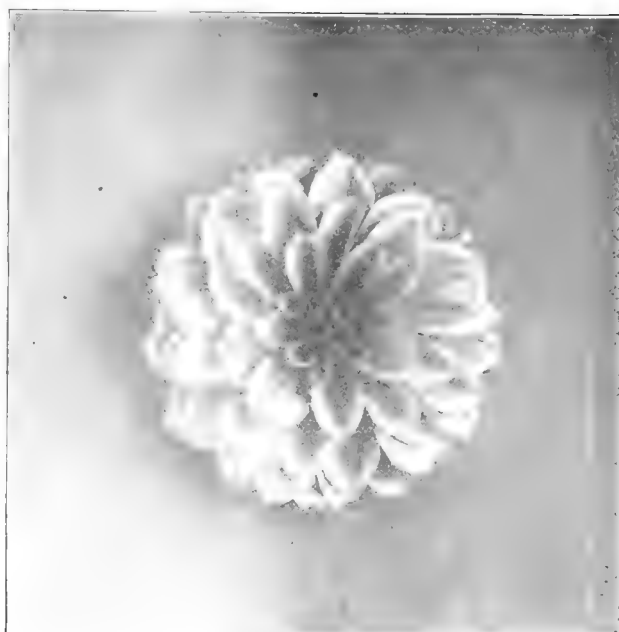
This Medal is Offered Under the Following Conditions:

- Class
42. A gold medal will be awarded to the best vase of 100 blooms of any undisseminated seedling carnation (sports not admissible).
The variety must have been in cultivation not less than three years and must score not less than 85 points, judged by the American Carnation Society's scale of points.
The medal to be awarded to the originator, who need not necessarily be the exhibitor, and can be awarded to the same variety only once.
To be eligible to compete for this medal, 50 blooms of the variety must have been shown at a previous exhibition of the American Carnation Society in a preliminary class and scored not less than 80 points.

TWO PROMISING NEW DAHLIAS.



MRS. ALFRED I DU PONT



GERTRUDE MANDA

The above illustrations show the character of blooms of two of the set of seedling dahlias raised by W. A. Manda, South Orange, N. J., and soon to be disseminated. These novelties have been exhibited at several places this season and have been favorably received wherever shown.

The following varieties have qualified and are eligible to compete for the medal this year:

"Alice," by Peter Fisher, Ellis, Mass.
 "Alice Coombs," by Albert Roper, Tewksbury, Mass.
 "Mrs. C. E. Akehurst," by C. E. Akehurst, White Marsh, Md.

43. A preliminary competition will be conducted at this meeting for eligibility to compete for the medal next year. Fifty blooms must be shown of any undisseminated variety.

SECTION E

Certificate of Merit.

Class

44. New, or undisseminated varieties may enter for this Certificate of Merit, under the following conditions:
 A variety may be entered under a name or number, but a name must be furnished before a certificate will be issued.
 An entry fee of \$5.00 will be charged for each variety entered when entry is made.
 Not less than 50 blooms must be shown and the variety must have been bloomed not less than three years.
 To receive a Certificate of Merit, a variety must score eighty-five or more points.
 Varieties may be staged and judged in this class at any time during the convention. A vase of a variety competing in an open class may also be entered for Certificate of Merit.
 In all other respects, except as stated above, the rules governing the general classes must be observed.

PRELIMINARY CERTIFICATE

Class

45. This may be competed for by a two-year-old variety. Twelve blooms must be shown and a \$2.00 entry fee will be charged for each variety entered. The variety must be properly labeled under name or number. It must score not less than 85 points and may be staged and judged at any time during the convention.

SECTION F

Special Premiums

Class

46. Ten dollars in gold will be awarded to the vase holding in best condition to the end of the exhibition. To be eli-

gible, the vase must have won a premium in its class. Premium offered by Fred Burki.

A silver cup, valued at \$30.00 is offered by Hitchings & Co. as sweepstakes in section A. (No entry required for this).

NON-COMPETITIVE EXHIBITS

Space will be provided for non-competitive exhibits.

Retailers are especially invited to avail themselves of this opportunity to show madeup work in various forms.

Where special location or special arrangement of tables is desired, application should be made to Mr. S. A. Anderson not later than two days before the opening of the exhibition.

BOSTON TO BUFFALO.

Any one in this section contemplating attending the American Carnation Society Convention, to be held in Buffalo, January 27-28, 1915, can receive any information regarding transportation, etc., by communicating with me. I am promised by my friends from around Boston that they are going to exhibit the greatest number and best quality of carnations that was ever taken from this section. I am also hoping to see the largest delegation of carnation growers on my suite that has ever left Boston on a like trip.

Very truly yours,

S. J. Goodard, Pres't.

Framingham, Mass.

NEW CARNATIONS REGISTERED.

By J. D. Thompson Carnation Co., Joliet, Ill.

Superb (Gloriosa X Enchantress). Color deep flesh pink. Size 3½ to 4 inches. Highly built centre, but not crowded. Long strong stem. Non-splitting calyx. Easy grower and splendid keeper. Very fragrant.

Hero (Beacon X White Perfection). Color deep rose pink. Size 3 to 3½ inches. Well formed flower with slight-

ly serrated edges. Non-splitting calyx and wiry stem. Very free bloomer and excellent keeper.

Vera (Beacon X White Perfection). Light pink with rosy tint. Size 3 to 3½ inches. Well formed flower with serrated petals. Free grower and does not split.

Comet (White Wonder X Woden-ethel). Pure white. Size 4 inches and over. Deeply serrated and wavy petals. Very high centre, forming half sphere when fully developed. Very fragrant. Free bloomer and does not split.

By E. H. Blameuser, Niles Centre, Ill.

Cerise Winsor—Sport from Winsor. Cerise pink. Size 3 inches. Habit like Winsor except that the foliage is darker green and the buds are larger.

Note: Sports can be registered only provisionally, until blooms have been submitted to the judges, to determine their distinctiveness.

A. F. J. BAUR, Sec'y.

The monthly meeting and dinner of the Horticultural Club of Boston was held at the Parker House on Wednesday evening, Dec. 2. Guests of the club were L. Merton Gage and A. P. Dewar. Splendid vases of roses, contributed by L. J. Reuter, adorned the table. The varieties were Jonkheer J. L. Mock, Prince d'Arenberg, September Morn and Francis Scott Key. The present unfortunate condition of the American gladiolus growing industry resulting from Dutch competition was a prolific theme for debate. The outlook for home production of many horticultural products now imported and the means whereby this may be promoted also was vigorously discussed.

CLUBS AND SOCIETIES

ALBANY FLORIST CLUB.

The regular monthly meeting of this Club was held on Thursday, Dec. 3rd, at the Cut Flower Exchange. F. A. Danker reported progress, both on the Convention and Flower Show Committees. L. H. Schaefer made an interesting report on the January banquet. The entertainment committee were authorized to invite the delinquent members to the banquet provided that they expect to return to the club and live up to the rules.

J. Snyder read a paper on violets, their habits, care, bunching and delivery to florists. He said there is no plant grown which is as susceptible to changes of conditions as the violet. The light, air, temperature, moisture of soil and atmospheric conditions have to be looked after continually and changed sometimes three or four times a day to meet with the changes of weather conditions, and those growers who do not give these matters attention with vigilance are the ones who have poor weak plants, polluted with disease. The lime shading which remains on the greenhouses in the summer gets black and gives a deep dead shade which is weakening to the growth and should be scraped or brushed off and another coat applied which will give a soft pleasant light.

The main secret of violet growing is in keeping the plants growing all through from the time they are planted until the finish; not an overgrowth in early stages caused by a surplus of water, but a steady even growth and when the plants are not making that steady growth the observant grower will find the cause and remedy it at once. Through the summer in particular it is generally found due to improper shade, when the lime on the glass gets black as before mentioned, causing the soil to become heavy and sour. The appearance of mold on the surface is a warning to the grower that his light is not right and if left, the plants will very soon weaken and grow only short roots near the surface and in these conditions they are bound to turn out a failure and not produce a good crop. Many growers have their picking done by their children before and after school or whenever it is convenient and oftentimes the violets are a day or more old before they are shipped, whereas they should be picked and bunched and have an hour or two in a tank of water and then be on their way to the florist or market. Florists often complain of violets having a bad odor and a smell of the soil. This is caused by foul soil and black rot or black root, which go together.

After the above had been read the election of officers for the coming year was in order. The following were elected: President, F. R. Bilson; vice president, Thomas Tracey; secretary and treasurer, Robert Davidson; trustees, Fred Henkes, Charles Sanders and J. J. Haggerty.

About 40 members were present.

President Henkes announced that the next meeting will be held at the exchange Thursday, Jan. 7th, 1915. After the installation of the officers the members will proceed in a body to Keeler's Hotel to participate in the January banquet of the club.

MINNESOTA HORTICULTURAL SOCIETY.

The forty-eighth annual meeting of the Minnesota Horticultural Society, was held Dec. 1 to 4. This was a notable gathering. This society has the most members—the greatest energy and enthusiasm of any society in America. It now has a membership of over 3,000 and is aiming to make it 3,500 the coming year, it has among its members some of the ablest men in the land.

C. G. Patten is doubtless the world's greatest pomologist. He has been hard at work for fifty years developing fruits suitable to the bleak Northwest. He has succeeded admirably. We have visited his grounds and seen his work. Some of his new creations are wonders of vigor and hardiness. Then there is Prof. Hansen, who has made four trips to Siberia. Prof. Waldron of North Dakota gave a fine paper on laying out the home grounds.

The meeting was held in the large chapel of the Agricultural College, which seats 1,000 persons. The different phases of orcharding, vegetable and flower gardening were discussed. Many of the students attended and three of them gave well prepared and able addresses. The permanent home of the society will probably be located on the college grounds, for the society wishes to keep in touch with the students and secure their energy and co-operation for the future.

Thursday night was the banquet, where men became boys; where wit and wisdom flowed freely. It was a notable time. Altogether the meeting was a feast of good things; everything went off finely. A thousand people listened to the address "The Moral Influences of Horticulture."

C. S. HARRISON.

York, Nebr.

PARK INSTITUTE OF NEW ENGLAND.

HORTICULTURE has been chosen by this Association as its Official Organ.

Program for Second Meeting to be held in Worcester, Mass., on December 16, 1914:

"Park Organization," by Chas. E. Putnam, Engineer of Parks, Boston, Mass.

"Park Administration and Legislation," by Jas. B. Shea, Deputy Commissioner of Parks, Boston, Mass.

"Park Accounts," by G. A. Parker, Superintendent of Parks, Hartford, Conn.

There will be other papers on Recreation subjects.

G. H. HOLLISTER, Manager.
Westland St., Hartford, Conn.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The meeting of this club at the Fort Pitt Hotel on the evening of December 1st was very enthusiastic and quite well attended. Jno. S. Gillespie, State Engineer, gave an informal talk on Good Roads. Early in his remarks he established himself in the good graces of his hearers with his Scotch stories which, being Scotch himself, were given with the added charm of the Scotch dialect. Mr. Gillespie thinks the last word on Good Roads has by no means been spoken. The good road of yesterday is the poor road of today, and while the automobile has been the greatest factor in creating the desire for good roads, the heavy auto truck is the greatest factor in their destruction.

S. S. Pennock-Meehan Co. exhibited roses Prince d'Arenberg, Prince de Bulgarie and Jonkheer Mock, and carnation Mrs. C. E. Akehurst. The opinion of the committee on these blooms follows:

Unanimous thanks to S. S. Pennock-Meehan Co., for a beautiful and liberal exhibition of the following flowers: Roses—Prince d'Arenberg, Jonkheer Mock, Prince de Bulgarie (Mrs. Taft), pale Enchantress pink. A very beautiful and desirable rose, and Carnation Mrs. C. Edward Akehurst.

President McCallum gave an exhibition of a process he learned in Australia for the lengthening of the preservation of the flowers on a blooming plant. Taking a thrifty, blooming plant of *Primula obconica*, he washed the soil from its roots. Then placing some wet sphagnum in a shallow dish he spread out the roots of the plant thereon, and covered them thickly with wet moss, supporting the plant in an upright position as it had been in the pot. It is claimed that a plant treated this way, will remain in bloom much longer than it would surrounded by soil in the pot. Mr. McCallum took the plant away with him and will bring it before the club at the next meeting that all may see the success of the process. This scheme, while not new, is practically new to the florists in this vicinity so far as I know. There were some pleasing poinsettias, begonias and cypripediums exhibited by the Bureaus of Parks, Northside and Schenley. A rising vote of thanks was given Mr. Gillespie for his address, and the secretary was instructed to thank the S. S. Pennock-Meehan Co. for their very fine exhibit.

At the next meeting of the Club in January the nomination of officers for 1915 will be taken up.

H. P. JOSLIN, Sec'y.

NEWPORT HORTICULTURAL SOCIETY.

This society held its annual meeting on Dec. 8th, and the following officers were elected for the ensuing year: President, William MacKay; first vice-president, John B. Urquhart; second vice-president, James Bond; treasurer, A. K. McMahon; recording and financial secretary, William Gray; sergeant-at-arms,

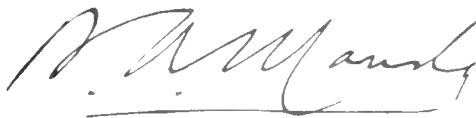
Greetings for the
Tenth Anniversary of
Horticulture

and to its able Editor

Strong and fearless exponent of
the Profession of Horticulture in
all its branches.

Best wishes for the increasing,
continuous prosperity, and moral
support due from the Horticultural
Profession.

Yours very truly,

A handwritten signature in cursive script, appearing to read "R. A. Mandy", with a horizontal line drawn underneath the name.

TWO PLEASING FLORAL ARRANGEMENTS.



BASKET OF DAHLIAS AND AUTUMN OAK FOLIAGE



QUAIL DINNER FAVOR OF ONCIDIUMS

We are indebted to Max Schling of New York for the photographs which appear herewith and which need no description; also for the picture of an

arrangement of roses and Barberton daisies which appears on another page. The Barberton daisy, *Gerbera Jamesoni*, is not grown or raised as much

as it deserves, for florists work. Its scarlet and vermilion tinted starry blooms have a very rich effect when properly used and their keeping qualities are of the best.

James Watt. Executive committee, with the above officers: Richard Gardner, Alexander MacLellan, Bruce Butterson, James J. Sullivan, Andrew L. Dorward, James Robertson, Fred Carter, Andrew S. Meikle and Alexander Fraser. Reports of the treasurer and secretary show the society to be in a very satisfactory condition.

The coming year promises to be the most eventful one in the history of this society, as it has already voted to join with the following named organizations in holding exhibitions in Newport: American Sweet Pea Society and Newport Garden Association on July 8th and 9th; Newport Garden Club in August; also monthly shows through the summer months with the Newport Garden Association. Lectures on gardening subjects are also provided for through the winter months. J. ROBERTSON

FLORISTS' CLUB OF WASHINGTON.

J. H. Van Zant, of the Botanic Gardens, and J. Malcolm Nicholson and R. J. Leimer, both of Hyattsville, Md., were elected members of the Florists' Club at the December meeting. The evening was given over mainly to a discussion of civic matters although some little time was devoted to the matter of the trip to the Exposition in San Francisco next year. This latter is being kept in the limelight with a view to getting together as large a party as possible to form the Washington contingent. Special rates have already been quoted to the club.

William F. Gude entertained those present with an account of the good work being done in Frederick, Md., by Frank Hargett, the originator of the educational garden in that city, and Leonard E. Kolmer, of the Frederick Post, who has been assisting him. He

told of how their efforts were gradually meeting with success in the movement to turn backyards into flower gardens and thus fostering a love for flowers and incidentally creating an additional market for the commercial grower.

NATIONAL ASSOCIATION OF GARDENERS.

The meeting of this association in Philadelphia and the banquet on Wednesday evening were superlatively successful. J. W. Everitt, Glen Cove, N. Y., was elected president; W. S. Rennie of San Francisco, vice president; M. C. Ebel, Madison, N. J., secretary; James Stuart, Mamaroneck, N. Y., treasurer. Full report next week.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that the Conard & Jones Co., West Grove, Pa., offers for registration the Cannas described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description—The large, orient red flowers are borne on firm, upright stems, just enough above the foliage to show the entire head. The foliage itself is a dark bronze-green with emerald shadings, the ribs a darker bronze. Single roots of this canna produce from five to twelve grand bloom-stalks in a season, and each stalk makes two or three bloom-heads, with

from twenty to thirty perfect flowers on each. A truly magnificent sort, an early and continuous bloomer. Height, 4½ feet.

Name—"Pocahontas" (Bronze Olympic.)

Description—A large-flowered, green-leaved, cream-white canna with faint pink dots on each petal and sulphur-colored tongue. When a short distance from the flowers they appear pure white. The heads average eight to twelve blooms on each, and each bloom-stalk generally has three heads of flowers, which bloom in succession, thus keeping the plant in bloom all the time. Height, 4 feet.

Name—"Flag of Truce."

Description—If it were not for "Beacon", which we introduced in 1912, this canna would be in a class by itself. It blooms incessantly and keeps sending up new bloom-stalks about every week, until cut down by frost. Dark ox-blood-red and especially suitable for mass planting. Height, 3 to 4 feet.

Name—"Dragon."

Description—An intense bright yellow flower with a decided dash of red in the throat, extending well up on the petals and showing on the tongue also. Its principal values lies in its ability to resist bleaching better than any other yellow canna. It flowers early. Height, 3 to 4 feet.

Name—"Princeton."

Description—Color is reddish orange, mottled with carmine and edged with yellow. The tongue is yellow and densely spotted with carmine. When planted in solid beds or rows produces a dazzling effect. Height, 5 feet.

Name—"Gaiety."

JOHN YOUNG, Sec'y.

Dec. 5, 1914.

ERNEST OECHSLIN

Blooming Plants Decorative Plants

Ready for CHRISTMAS Use
Azaleas, Cyclamen, Begonias and Poinsettias

SELECT WHILE STOCK IS COMPLETE

The retail trade demands more Blooming plants every year and
we have a full line to select from

**Bostons, Araucarias, Ferns for Dishes and many
other plants in our decorative stock**

**GREENHOUSES ARE:—Corner Madison St. and Gale Ave., River Forest.
Gale Ave. is only nine miles from the "loop." Take Madison St. Car**

ERNEST OECHSLIN

RIVER FOREST, ILL.

CLUB AND SOCIETY NOTES.

At the meeting of the Holyoke & Northampton Florists' and Gardeners' Club held at the store of R. S. Carey, South Hadley Falls, Mass., the following officers were elected: President, R. S. Carey; vice-president, A. Butler of Northampton; secretary and treasurer, James Whiting of M. A. C.; executive committee, G. H. Sinclair, Holyoke, Mr. Dörner of Smith College and Geo. Rackliffe of Holyoke.

Vice-president Wetterlow presided at the regular meeting of the North Shore Horticultural Society, Dec. 4, at Manchester, Mass. John Kirkegaard gave an interesting lecture on Insect Pests, speaking briefly on the leopard moth, gypsy and brown tail moths, elm leaf beetle, canker worm and many others. A committee of seven was appointed to make arrangements for the annual banquet. The Society adopted a set of rules presented by the library committee. The next meeting will be held Dec. 18 and will be opened at 7.30 sharp.

WILLIAM TILL.

Magnolia, Mass.

The Worcester County (Mass.) Horticultural Society held its annual meeting on Saturday, Dec. 5. Edward W. Breed of Clinton was elected president; Arthur J. Marble, Charles Greenwood and Herbert R. Kinney, all of Worcester, vice presidents; Leonard C. Midgeley of Westboro, secretary; Miss Lucy M. Coulson of Worcester, librarian; Burt W. Greenwood of Worcester, treasurer; Joseph A. Allen of Auburn, David L. Fiske of Grafton,

Henry B. Watts of Leicester, Edgar M. Bruce of Leominster, Henry A. Cook and Fred J. Reed of Shrewsbury, Mrs. J. Frank Record of West Boylston, William McAllister of Whittinsville, William Anderson of South Lancaster J. Lewis Ellsworth, Frederick H. Chamberlain, Mrs. Olive G. Davidson, Walter D. Ross, James E. Draper, Allyne W. Hixon, Simon E. Fisher, Mrs. Percy G. Forbes, Henry H. Browning, Joseph K. Greene, Benjamin M. Chamberlain, Louis J. Kendall, Frank J. Kinney, H. Ward Moore, Burton W. Potter, George C. Rice, Howard E. Sumner, William J. Wheeler, Albert H. Lange and Charles W. Wood all of Worcester, trustees.

Reports showed that the total receipts for the year amounted to \$25,903.29 and the expenditures to \$16,194.30. The society voted appropriations of \$5,500 for exhibitions during the coming year.

At the regular meeting of the Southampton (N. Y.) Horticultural Society held Dec. 3, W. L. Jagger read a paper entitled, "The Past and Present of Southampton on Social Lines," which was very heartily applauded. A discussion followed on perennials and roses, how best to care for them during the winter months, also as to which evergreens were best adapted to this section. The question was asked, "Which are the twelve best perennials blooming in July?" Perhaps HORTICULTURE could help us on that point. The meeting was very interesting and instructive.

We should hesitate about naming twelve "best" perennials blooming in

July. There are so many elegant subjects that would come under that class and then locations and conditions vary so much. Some of the best July blooming perennials are the following: Gypsophila paniculata; Euphorbia corollata; Hypericum Moserianum; Clematis Davidiana, and recta; Salvia azurea; Chrysanthemum maximum Polar Star; Callirhoe involucrata; Malva alcea; Spiraea palmata; Monarda didyma; Pentstemon hybridus; Iris Kaempferi; Aconitum napellus; Achillea ptarmica Perry's variety; Aster alpinus speciosus; Anchusa italica Dropmore; Campanulas lactiflora and persicifolia grandiflora; Coreopsis grandiflora; Delphiniums hybridum, belladonna and chinensis; Hemerocallis aurantiaca major; Hibiscus moscheutos; Oenothera Youngii; Phlox suffruticosa Miss Lingard; Plumbago larpenae; Platycodons grandiflorum and Mariest; Lychnis chalcedonica; Lythrum salicaria; Hardy Carnation Miss Kent; Pentstemon barbatus; Yucca filamentosa; Veronica longifolia subsessilis.—ED.



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Our pips have arrived from Germany as usual. They are in prime condition. Prices not advanced.

R. J. FARQUHAR & CO.
BOSTON, - - - MASS.

CHRISTMAS PLANTS

In Elegant Shape. Nothing Finer Ever Offered

ASPLENIUM NIDUS AVIS, 15c, 25c, 30c, up to \$1.50
POINSETTIAS, 5-in. pots, 50c. each; 7-in. pans, \$1.00.
POINSETTIAS, Combination pans, fine for Christmas, \$1.50 to \$5.00
NEW FLORENCE DAVENPORT BEGONIA, 6½ in. \$1.00, \$1.50 and \$2.00
BEGONIAS, LORRAINE AND CINCINNATI, \$1.00 to \$3.00 each
CYCLAMEN, 50c. to \$2.50 each.
CIBOTIUMS, \$1.00, \$2.00, \$3.00, \$4.00 and \$5.00 each.
EUPHORBIA JACQUAETFLORA, 4 in., well branched, 75c. each
HYACINTHS, pans, 75c. each
TULIPS, PROSERPINE, 6-in., 33 1-3c.; 8-in., 50c.
ARACARIAS, PALMS, DRACAENAS, Etc., Etc., all sizes.

AZALEAS

A fine stock of Vervorens, Petrick, Firefly, etc., 50c. to \$15.00. All goods

A. M. DAVENPORT, Watertown, Mass.

PUBLICATIONS RECEIVED.

The Practical Book of Outdoor Rose Growing. By George C. Thomas, Jr. The publishers of this beautiful volume, J. B. Lippincott Co., of Philadelphia, have every reason to feel proud of it, and we believe it is destined to meet with a most cordial, popular reception and a large sale. It certainly is well worthy of this, not for its beauty alone, but for the intrinsic value of its contents. We do not believe there has been anything ever published in this country on the subject of roses to compare with this book.

We are told that it has been a life-long hobby with the author to try out all known varieties of his favorite flower, and that he has achieved remarkable success in rose growing, the garnered information with which his pages are teeming is conclusive evidence of the truth of the statement.

In "The Practical Book of Outdoor Rose Growing," Mr. Thomas has put his vast stores of practical knowledge at the service of the rose lover. The directions covering every detail of rose-

culture—what varieties will grow out-of-doors in this climate; when to plant, how to plant, how to prepare the soil, and exactly what treatment should be given each variety—are the result of careful and exhaustive tests and experiments and years of successful practice. In truth the volume is one of exact, complete and authoritative information, adapted to ready reference.

The general scope of the chapters include the Propagation of Roses, by the various methods of cutting, budding, grafting, layering, suckering and by seeds; The Best Varieties with Their Characteristics and a full tabulated rose list of seventeen closely printed pages, giving names, habit, hardiness, color, etc.; Location and Preparation of Soil; Ordering and Planting; Pruning; Cultivation and General Information and Hints on Hybridization. From the standpoint of the experienced rosarian these chapters are practical and strictly up-to-date in every detail.

There are 96 exquisite plates illustrating in natural colors the finest of the modern varieties. These, we are

informed, are the result of three years' work on the part of the author in making and perfecting auto-chrome color photographs from perfect blooms. The greater part of the varieties thus pictured are Hybrid Teas.

These exquisite illustrations in conjunction with fine typographical make-up and artistic binding, render the book a thing of beauty in keeping with the subject of which it treats. As a text-book for the gardener, professional or amateur, a gift-book for the lover of flowers, and an art-book for the lover of the beautiful, we can confidently and enthusiastically commend it. The price is \$4.00 net. Postage extra.

I Want Room

A surplus of S. A. Nutt, John Doyle and Perkins GERANIUMS, in 2½-in. pots, \$15.00 per 1000. Other varieties, 2½-in. pots, \$18.00 per 1000.

ASPARAGUS Sprengerl. 3-in., \$3.00 per 100; 4-in., \$4.00 per 100.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Obituary

J. F. Mallon.

Joseph F. Mallon of the firm of James Mallon's Sons, died of pneumonia at his home in Brooklyn, N. Y., on December 1. He was in his forty-ninth year. He leaves a widow. Mr. Mallon was popular and highly respected by the florist trade.

George Cooke.

George Cooke for many years the leading florist of St. Albans, Vt., died at Chula Vista, Cal., on November 4, aged 67 years. Mr. Cooke had been a great sufferer from rheumatism and went to California a year and a half ago, in hopes that the climate might help him. He was one of the early members of the S. A. F. and served as vice-president for Vermont.

Franz Schramm.

Franz Schramm passed away at his home in Park Ridge, Ill., Nov. 25, at the age of 74 years. He was born in Germany and came to this country when a child, taking up flower growing some years later. Ill health compelled him to leave his work, to which he was greatly attached. He leaves a widow, three sons and three daughters. The funeral was from the home and interment was in Park Ridge cemetery.

John J. Connelly.

Mr. Connelly was a well-known florist of Rosemont, Pa. (a suburb of Philadelphia). He died Dec. 5th, aged 61. At one time he was postmaster of Bryn Mawr, which includes the Rosemont district, and was highly respected in the community. His term of office was during the second Cleveland administration. He did a local business only, being a grower and retailer, with a range of glass on the main avenue of the borough.

Joseph B. Robinson.

Many of our readers will be sorry to learn of the passing away of genial Joe. Robinson who, a good many years ago, was connected with the seed house of Parker & Wood in Boston and who was the life of the S. A. F. convention parties in those days. He has been in other lines of business since, his most recent position being on the staff of the paper Practical Politics. He died at his home in Dorchester, Mass., on December 5, aged 65 years. Funeral services were held on Tuesday, 8th inst.

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BOSTON, MASS.

DREER'S FERNS FOR DISHES

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**2 1-4
inch pots**

**\$3.00
per 100;**

**\$25.00
per 1000**

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ARE YOUR PLANTS MOVING?

If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. **Cash Ready.**

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C. C. TREPEL

**LOESER'S, Brooklyn, N. Y.
BLOOMINGDALE'S, N. Y. City
GIMBEL'S, New York City**

Select Holiday Flowering Plants

AZALEAS, 60 to 80 stems, \$1.00 to \$1.50 per dozen.
POINSETTIAS, 20 to 30 stems, \$1.00 to \$1.50 per dozen.
BEGONIAS, 60 to 80 stems, \$1.00 to \$1.50 per dozen.
PRIMULA SINENSIS, 50 to 60 stems, \$1.00 to \$1.50 per dozen.
CYCLAMEN, 50 to 60 stems, \$1.00 to \$1.50 per dozen.
ARACARIAS, 50 to 60 stems, \$1.00 to \$1.50 per dozen.
DRACAENA MASSANGIANA, 50 to 60 stems, \$1.00 to \$1.50 per dozen.

W. A. RIGGS,

**AUBURNDALE,
MASS.**

10,000 AZALEAS FOR CHRISTMAS TRADE

EXTRA FINE, WELL BUDDED STOCK AT REASONABLE PRICES

SIMON MARDNER, from \$1.50 to \$3.00 each.
 PETRICK, grafted, from 75c. to \$5.00 each.
 PETRICK, dwarf, on own roots, \$1.00, \$5.00, \$6.00, \$8.00, \$12.00 per doz.
 FIREFLY, dwarf, \$6.00 and \$9.00 per doz.
 BEGONIA GLOIRE DE LORRAINE, 3½ in. pots, \$3.00 per doz.; 5 in. pots, \$6.00 per doz.; 6½ in. pots, \$9.00 and \$12.00 per doz.
 BEGONIA GLORY OF CINCINNATI, 5 in. pots, \$6.00 per doz.; 7 in. pots, \$12.00 per doz.
 POINSETTIAS, extra large cut blooms, \$6.00 per doz.
 POINSETTIAS, 3½ in. pots, \$3.00 and \$4.00 per doz.
 PRIMULA CHINENSIS, 5 in. pots, \$3.00 per doz.

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== THE BEST EVER ==

That's what everybody exclaims on seeing the splendid stock now ready for shipment in our plant houses

Cyclamen Are Superb. Lorraine and Cincinnati Begonias Can't Be Beaten Anywhere. Ardisias Have Never Been So Fine; Loaded With Berries Already Well Colored Up.

Order Your Holiday Stock Now and Have It Shipped Before Freezing Weather Sets In.
 Prices per doz., per 100, per 1000, on application.

JULIUS ROEHRS CO., Rutherford, N. J.

Miscellaneous Stock

A few items every florist needs. For complete list send for catalog No. 5. Send us your list of wants.

CALADIUM ESCULENTUM Good bulbs with sound centers: 5 to 7 in. circumference, \$2.00 per 100; 7 to 9 in. circumference, \$3.00 per 100; 9 to 11 in. circumference, \$6.00 per 100.

BEGONIA, TUBEROUS ROOTED Bulbs large from one of Belgium's best growers: Single Separate colors, \$2.50 per 100, \$22.50 per 1000; Single Mixed colors, \$2.25 per 100; \$20.00 per 1000; Double Separate colors, \$4.50 per 100, \$40.00 per 1000; Double Mixed colors, \$4.00 per 100, \$35.00 per 1000.

GLOXINIAS—Fine sound bulbs in separate colors, \$4.00 per 100, \$35.00 per 1000.

RHODODENDRONS—A fine lot of hardy sorts, in plants full of buds and with good foliage, 18 in. high, 8 to 12 buds, \$9.00 per doz.; 24 in. high, 12 to 14 buds, \$12.00 per doz.

AZALEA MOLLIS—Bushy, well budded plants, 15 to 18 in. high, \$35.00 per dozen.

DUTCHMAN'S PIPE—Aristolochia Sipho, tops 1 ft. long, a grand vine for shade and cold exposure, \$3.50 per dozen, \$25.00 per 100.

MAGNOLIA—Fine well budded plants, with ball of earth, burlapped; all varieties, White, Pink and Red, 4 to 5 ft. high, \$1.50 each. Stellata or Halleana, early star shaped white, 2½ to 3 ft high, at \$1.50 each.

ENGLISH IVY—Two or more shoots, 3 ft. long, \$12.00 per 100.

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35,000 BERBERIS THUNBERGII

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BEST HARDY RHODODENDRONS
AZALEAS, CONIFERS, CLEMATIS
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DECIDUOUS PLANTS.

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33 $\frac{1}{3}$ % OFF FOR CASH

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DARWIN TULIPS.

400 Clara Butt	1900
1000 Mixed	at \$15.00
	10.50

SINGLE EARLY RED TULIPS.

1850 Artus	6.50
6850 Belle Alliance	12.00
8000 Cardinal's Hat	7.50
1200 Couleur Cardinal	18.00
1000 Cramoie Brilliant	10.00
250 Maes	14.00
875 Pottebakker Scarlet	11.25
3100 Vermilion Brilliant	16.50

SINGLE WHITE TULIPS.

3000 Joost Von Vondel	23.00
11,000 La Reine	6.00

SINGLE PINK TULIPS.

900 Cottage Maid	7.00
400 Duc Van Thol	10.00
375 Flamingo	34.00
300 Jenny	26.00
600 Pink Beauty	32.00
880 Prosperpine	23.00
2000 Boddington's Mixed	6.50

SINGLE YELLOW TULIPS.

2250 Chrysolora	8.50
520 Duc Van Thol	12.50
1200 King of Yellows	12.00
3950 Yellow Prince	8.50

SINGLE STRIPED TULIPS.

1700 Duchesse de Parma	8.50
2300 Joost Von Vondel	24.00
400 Boddington's Striped Mixed	6.50

DOUBLE RED TULIPS.

3400 Imp. Rubrorum	16.50
825 Rex Rubrorum	15.50
1600 Vuurbak	20.50

DOUBLE YELLOW TULIPS.

650 Couronne d'Or	10.25
290 Tournesol	20.00

DOUBLE PINK TULIPS.

1500 Lord Beaconsfield	18.00
6500 Murillo	10.00
525 Salvator Rose	14.00

DOUBLE WHITE TULIPS.

700 Alba Maxima	10.00
575 Boule de Neige	28.50
1900 La Candeur	10.00

MIXED TULIPS.

3000 Single Fine	5.00
3500 Double Fine	7.25
5300 Single Superfine	6.00
2500 Double Superfine	8.50

HYACINTHS

HYACINTHS, SINGLE.

25,000 Mixed, to color	26.00
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HYACINTHS, DOUBLE.

9000 Mixed, to color	27.50
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MINIATURE HYACINTHS.

100 Charles Dickens, blue	20.00
900 Charles Dickens, rose	20.00
600 King of Blues	22.00
900 Garibaldi	20.00
1800 Czar Peter	21.00
2100 Gertrude	20.00

MINIATURE HYACINTHS—Continued

2650 Gigantea	1000
1000 Grand Blanche	at \$20.00
700 Grandeur a Merveille	21.00
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10,000 White, 11-12	21.00
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1200 Von Sion, Extra, 1st size	15.00
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125 Von Sion, Single	10.00
400 Xmas Trumpet Major	13.50
250 French Golden Spur	17.50
100 Trumpet Var. Mixed	8.00
4000 JONQUILS, Rugulosus	6.00

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600 Incomparabilis Stella	7.75
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1700 Leedsii, Mrs. Langtry	7.00
1100 Cup Varieties Mixed	6.50

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20,000 Refracta Alba, 12 Bils	4.50
5000 Refracta Alba, Mammoth	6.00
7300 Refracta Alba, Monstros	8.00
100 Purity, 1st size	12.00
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GLADIOLUS COLVILLEI.

1200 Delicatisima Superba	12.00
7000 Fairy Queen	6.00
1000 Fire King	16.75
30,000 Peach Blossom	7.00
30,000 Blushing Bride	5.00

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25,000 The Bride	1000
1000 Ackermannii	at \$6.00
1500 Queen Wilhelmina	7.75
	16.00

RANUNCULUS.

200 Giant French	3.00
1500 Persian Giant	3.75
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3000 Baron Von Brunow	6.25
2000 Car. Chisholm	6.25
2000 Cloth of Gold	6.25
1000 Purpurea Grandiflora	0.25
1000 Purpurea Grand., top size	8.00
3000 King of Whites	6.25
100 Mad. Mina	6.25
2000 Mam. Golden Yellow X	6.00
1000 Mam. Golden Yel. M. B.	8.00
3700 Sir Walter Scott	6.25
3800 Sir Walter Scott, M. B.	8.00
1500 Blue Mixed	4.25
2500 Striped Mixed	4.25
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1000 Boissier	10.00
2000 Lucelliae	7.00
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3000 Sibirica, 1st size	6.75
1000 Sibirica, top size	8.00
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1500 Excelsior	6.50
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1500 Plumosum	5.00
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B. Chinole	5000	\$6.00	12,000	\$4.00
Br. Queen	3000	6.00	15,000	4.00
Cajanus	1000	6.00	6000	4.00
Chrysolora	8000	6.00	11,000	4.00
Czar Peter			1000	4.00
King of Blues			5500	4.00
La Grandesse			1900	4.00
Louise	2000	5.00	6500	4.00
Marie			1800	4.00
Snowball	1000	6.00	7500	4.00
Humboldt			3000	4.00
B. Superbe			3800	4.00
Mixed	6500	5.50	9000	3.50

800 MIXED ENGLISH IRIS.

700 IXLIS, Choice Named Var.	5.50
500 STERNBERGIA Lutea	6.50
350 ALLIUM Luteum	4.00
3500 ALLIUM Neapolitanum	1.50
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Var.	4.50
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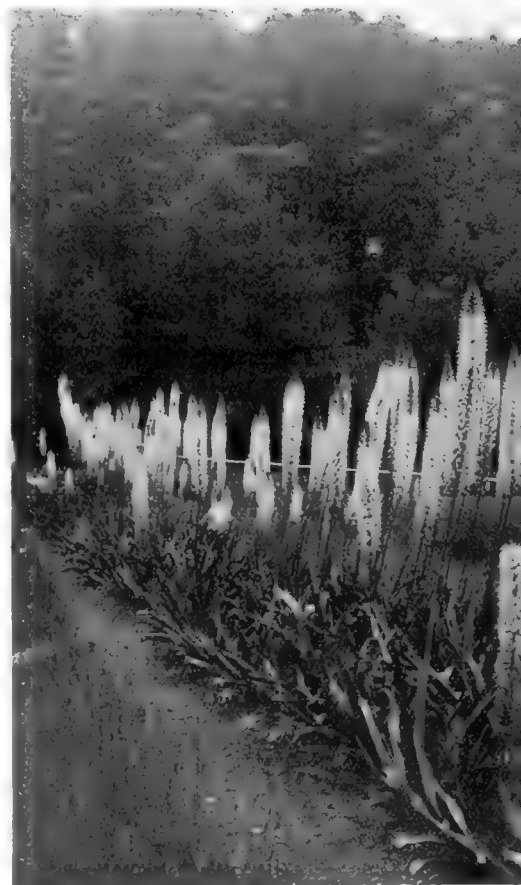
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Prison for Bogus Seed Man.

Newton, Dec. 5.—Sentences of from one to three years, to run concurrently, on each of eight indictments for selling adulterated clover seed, were today imposed on Oliver J. Rice of Brooklyn, who had pleaded guilty to them.

When Judge Allen R. Shay imposed sentence Rice cried: "Be merciful!" He had previously said he had a weak heart, but an affidavit made by Dr. Bruno Hood, who examined him at the county jail after he was brought here a week ago from Middlesex County, set forth that apparently there was nothing the trouble with him except that he had a defective eye and was forty pounds over weight.

Rice confessed that he had mixed with five and a half bushels of red clover seed and two bushels of crimson clover thirty-four bushels of German millet seed. He offered it for sale late last December for \$9 a bushel when the current price was \$14 and numerous Sussex County farmers availed themselves of the low cost.

The dealings on which the indictments were based were with the following farmers: William A. Farber, Burnett Drew, William Reed, David Roleson, George A. Simmons, Jeptha Randolph and Reed J. Washer.—*Newark (N. J.) News*

Supply of Sugar Beet Seed

There has been a great deal of alarm in this country over the supply of sugar beet and mangel seed which has generally been received from growers in the vicinity of Magdeburg, Germany. It is well known that a large proportion of the Magdeburg supply has actually been grown in Russia from Magdeburg stocks. We are in receipt of reliable information that the Russians are now offering these seeds direct to growers in this country, to be shipped via Vladivostok, and quotations are being made F. O. B. in that port. It will readily be seen that this will greatly relieve the sugar beet situation in our western states.

To Correct Abuses in the Seed and Bulb Trade.

An unknown correspondent has sent in a communication inspired by a recent editorial in this paper relative to the foreign salesmen who ply their trade in this country in a manner detrimental to the established seed houses and dealers here. The writer failed to add his signature, without which we cannot use the article. If he will kindly forward his name and address we shall be glad to give room to his communication.

BUSINESS TROUBLES.

Toledo, O.—Merton L. Bamer has been appointed assignee for the Henry Phillips Seed & Implement Co., 115 N. St. Clair street, with a bond of \$20,000.

NOVELTIES in FLOWERS and VEGETABLES.....

Jas. Carter & Co., of Raynes Park, England, have originated or introduced a large proportion of all new varieties in the last 50 years. That is why Carters' reputation is world-wide and experienced gardeners keep in close touch with Carter productions.

Study the new Carter Catalog for 1915. Among the Flower Seed Specialties you will find our new strains. Many varieties of Asters, Marigolds, Snapdragons, Primroses, Sweet Peas, Pinks and others are listed.

In the Vegetable List are novelties of Beans, Beets, Carrots, Radishes, Cabbages, Celery, Cucumbers, Lettuce, Peas, Tomatoes, etc. This new Catalog Carters "Garden and Lawn" has many wonderful photographic illustrations and valuable cultural directions. Send us your name and address now so we will mail you a complimentary copy.

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A NURSERY COMPANY EXPANDS.

The Elm City Nursery Company of New Haven, Conn., finding their present nursery areas too restricted have recently purchased several adjoining farms at Woodmont, Conn., but a few miles from the nursery's present office and grounds. The new purchase adjoins the New Haven Railroad Co.'s station at Woodmont. The character of the soil, together with the transportation facilities, makes the location one hard to beat. Heavy plantings, mostly of popular ornamental stock will be established in the spring, much of the ground having already been prepared. It will be two years before the nursery business will be moved to the new location at Woodmont, in the meantime, up-to-date offices, packing and storage buildings, and a propagating plant will be built near the railroad station on a tract of ground of some twenty-five acres which will be set apart for the purpose and developed into an attractive commercial park where the nursery's products can be displayed to good advantage. The railroad company is to co-operate with the nursery in laying out the station grounds at Woodmont in a park-like style.

At a recent stockholders' meeting, Ernest F. Coe was again elected president; W. W. McCartney, treasurer and general manager and Walter E. Campbell, secretary. Ernest F. Coe has been president of the company since its incorporation in 1901, Wesley W. McCartney has been with the company for many years, previously having been with a number of the largest nurseries. Walter E. Campbell has been with the company for several

years, previously having had a wide training along nursery lines.

Charles J. Bolgiano, of the seed firm of J. Bolgiano & Son, who has been confined at the Union Protestant Infirmary, Baltimore, Md., since November 8, where he was operated on for appendicitis, has improved to such an extent that he has gone to his home, in Roland Park, and expects to be back to business within the next two weeks.

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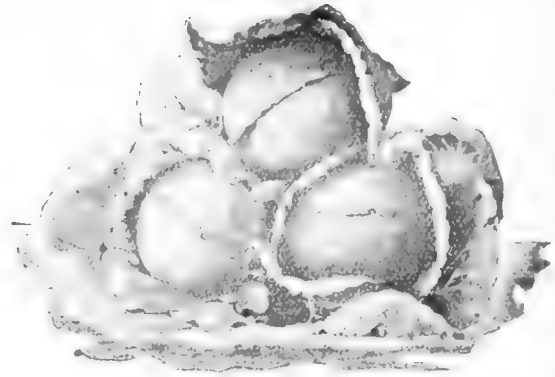
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beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



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Of Interest to Retail Florists**CHRISTMAS HINTS**

With Christmas only a few days away, any rose grower who does any retail work at all will find it highly profitable to secure some nice flower boxes, some Christmas cards, and tags. Have some red ribbons on hand too, for these will come in handy to tie on bouquets, if there are orders for these. It will set a box of roses off a good deal if they are tied with a clean red ribbon, tying the box with it too. A little holly tied in with it will make it very Christmasy, and will be bound to make friends for you and bring more trade with it next year. These little things are very inexpensive when you figure the advertising that you get from them, besides the well satisfied customers. Advertising is every thing these days, and no matter how good your product is, if you do not tell the people about it they will not come at once. Keep your card always in the minds of prospective buyers, and have a little catch phrase, so that when anyone thinks of roses, they will naturally think of you, and of course you will get the order then. Do not "knock" your competitors. Always put in a good word for them, or speak well of them. If they knock you so much better for your trade. If your customers say that your competitors have good roses, say "yes we do not doubt it, but then we have them too, and perhaps a shade better." Be on time with all your deliveries, for there is nothing that will annoy patrons more than late flowers. These always go right to the masters of the house, and therefore the delay is felt more than a late grocer or butcher would be, for their goods stop at the kitchen first, and there is where the delay is felt. Plants will go well, and if there is any possibility of sales, get some, and sell them. Do not think this is out of your line, for as things are now, everybody is out for all the business that they can get, and if there is money in it, it does not matter if you do sell plants as well as roses, even though you do not grow the former. A. C. RZICKA.

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progressiveness to the passing
throngs?Get alive to the fact that people are
looking for certain things in certain
seasons of the year. Study the wants
of your customers—they are all your
customers if you will attract them—
cater to them. Get their attention by
showing something they are looking
for, in your windows, in an alluring
manner.The effectiveness of the show win-
dow is limited only by the number of
people who pass in front. This silent
salesman will stop people and draw
them inside much better than any
human salesman standing on the
sidewalk. The eye gets the picture,
and the mind acts unconsciously
any outside interferenceTransfer your orders
for flower or plant
deliveries to
ZINN The Florist
1 Park St., Boston



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

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22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

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We cover the territory between

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ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

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Christmas Deliveries in Boston and New York

We are prepared to deliver in good shape, flowers, plants or made up work as ordered. Florists at a distance may transfer their orders by mail, telegram or 'phone to us with a certainty of prompt and careful attention.

THOMAS F. GALVIN, Inc.

BOSTON, MASS., 126 Tremont St., Telephones, Oxford 1736-1737-1738
Conservatories, Boylston St., cor. Fairfield St., Tel., Back Bay 2023
NEW YORK, 561 Fifth Avenue, Vanderbilt Building

NEWS ITEMS FROM EVERYWHERE

BOSTON.

W. A. Riggs, of Auburndale, is recovering slowly from the effects of a recent nervous breakdown.

Wm. H. Elliott, of Brighton, is convalescing from an operation successfully completed at the Charlesgate Hospital on Nov. 23.

Richard Ludwig, manager for N. F. McCarthy & Co., who has been ill for the last few days, is now back again at his old place with redoubled energy for holiday trade.

The Houghton-Gorney Co. are succeeding very well with their new venture. The store is located under the historic Park Street Church, at one of the busiest corners in the city.

Julius Zinn is now remodelling the store on Park street where Houghton-Gorney Co. were formerly located. Mr. Zinn expects to move into his new shop early in January, giving up his old location to Thos. F. Galvin.

The Rosary continues to prosper. Mr. Casey, the head of the firm, was only a few years ago employed as bookkeeper with Thos. F. Galvin. He has succeeded in building up one of the most successful retail stores in the Back Bay district.

The schedule committee of the Massachusetts Horticultural Society has decided to change the name of the annual Chrysanthemum Show held in the fall. This exhibition is to be known hereafter as the Fall Exhibition of Flowers, Plants, Fruits and Vegetables.

The Directors of the Boston Flower Exchange, Inc., and the Boston Co-operative Flower Market, have called a meeting of growers and wholesale dealers in cut flowers, at the American House, Saturday, December 12, 1914, at 10 o'clock A. M., to consider all sides of the question of surplus stock and the best means of disposing of same.

Harry Quint had a very attractive window display this last week, in which "holiday suggestions" were featured. It has been determined by the firm that flowers tastefully displayed in baskets sell better and at higher figures than when placed in vases in the ordinary way. Several contracts for store decorations have been secured, which will keep the force working overtime for several weeks.

SAN FRANCISCO.

G. Rossi & Co. have sold a block of land in Berkeley, on which they have a number of hothouses, to the city of Berkeley for a school site.

R. Groves has sold out his retail flower business at 1457 Haight street to Piccetti & Valmeni. Mr. Groves continues in the nursery business.

Mrs. Chas. Rose, of San Francisco, and Miss Lulu Miles, daughters of the late Morgan Miles, a pioneer nurseryman of San Jose, have decided to continue the business.

L. Ghiotto, who recently took over the New Rosary Flower Shop at California and Devisadero streets, has sold out to Mr. Olson, formerly with the Haight Street Florists.

F. Pelicano, of Pelicano, Rossi & Co., is bringing in some very beautiful cyclamen and primula in baskets, which are finding a ready sale. This house has also received a notable lot of Phoenix Roebelini.

The Peterson Nursery at Burlingame, Calif., is sending in some very fine carnations, especially of the Gorgeous and Mrs. Ward varieties. He is said to be the only grower in this vicinity producing the latter.

J. H. Smith, of Sacramento, has purchased the Murdock ranch, near Orland, Calif., and is putting in a large nursery. While citrus trees are the main item, considerable attention will

be given to ornamental trees and shrubs.

Angelo J. Rossi, of Pelicano, Rossi & Co., is acting as chairman of the committee on tree and decorations for the municipal Christmas celebration to be held in the Exposition grounds. Arrangements have been made to bring an 80-foot tree down from Mendocino county.

The bowling team of the Pacific Coast Horticultural Society is getting out to practice every Friday night, and while it makes a pretty "raw" appearance so far, the members are gradually getting into form, and hope to make a strong showing in the cup contest.

WASHINGTON.

Burch Talbert, a rose grower for M. J. McCabe, in Anacostia, D. C., has returned to work after an illness of fourteen weeks.

Albert Schnell, manager of the local store of the Leo Niesson Company, last week reported to the police that someone had made away with his gold watch. It seems that he took the time-piece out of his pocket and laid it on a desk in his private office. When he again thought of it it was gone, and now the police are keeping a watchful eye on the pawnshops.

Flowers from the White House are being contributed to hospitals and to the many entertainments being given for charitable purposes, for on account of the death of Mrs. Wilson, the state receptions ordinarily held at this sea-

HOLLY

Extra fine, well berried stock, \$3.50
and \$4.00 per case

GEORGE B. HART

Cut Flowers, Plants
Florists' Supplies

47-51 Stone Street, ROCHESTER, N. Y.

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And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from Florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

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RED FRIEZE

Or RED ROPING

60 yards to a piece. Ask for Prices on Quantities.

STATICE

Natural, Red and Green

IMMORTElLES

WRITE FOR PRICES

We have everything else you want for Christmas at **Very Low Prices.**

H. BAYERSDORFER & CO.

1129 Arch Street, - - - PHILADELPHIA, PA.

The Florists' Supply House of America

son of the year are being omitted. With the many affairs being given to secure funds to aid the starving Belgians and other needy people in the European war zone, these flowers are in great demand.

Poli's Theatre will give a performance for the benefit of the poor children of the city on Christmas morning. O. A. C. Oehmler has promised to donate the largest tree available, a candy manufacturer has proffered 700 pounds of candy, and the management has placed an order for nearly \$10,000 worth of toys which will go to make 4,000 poor youngsters extremely happy. There were several offers of trees, but Mr. Oehmler got there first.

CHICAGO.

At this writing, Dec. 8, the first snow of the season covers the ground. With it has come that mysterious something, known as the Christmas spirit, and the business world—of the florist—is already responding to it. There is an alertness in his step as he goes to meet his customer and his eye is keen as he sights a good order.

There is less green than usual with the red in the decorations of the big stores this year. The main aisle of the largest store has hollow wire balls four feet in diameter placed at intervals high above the heads and these are covered with bright red sprays of prepared foliage, with festoons to match. The effect is very beautiful, and its simplicity adds to its grace.

Local papers gave considerable space to reviewing the death of Capt. Herman Scheunemann, who went

down two years ago with his ship, laden with Christmas trees from the Michigan woods. Mrs. Schuenemann, who took up the business, has just returned with a load of trees, which she has been cutting since September, and her daughter, Elsie, has again taken up the making up of the wreaths.

Ernest Oechslin continues to improve and is about his plant range, attending to some of the details. His remarkable recovery from his terrible accident is a tribute to his splendid constitution and good habits. Few men would have gone through the wind shield of an auto truck and struck the cement curb and lived. It was twelve days before Mr. Oechslin recovered consciousness. So faithful were his staff of helpers at the greenhouses that everything is in perfect order and stock never looked better. His fine strain of cyclamen are flowering to perfection and the benches are a sea of color. Poinsettias, begonias

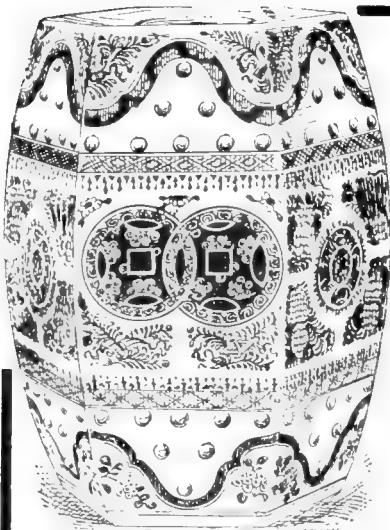
and azaleas are all in splendid condition and with the complete line of ferns and decorative plants customers are sure to find plenty to choose from.

Frank Oechslin carries off the honors as the owner of Chicago's exclusive plant range, and its appearance speaks much for his ability as a grower. If there are any secrets in the art of coaxing a plant to do its best, Mr. Oechslin is always willing to pass it on to others. The stock of poinsettias is fitting for the holiday trade and the cyclamen never were better. Indeed it will be hard to excel them in future years, so beautiful are they. The Cincinnati begonia remains the favorite here and the azaleas include some of the choicest of the new varieties. Boston and Whitmani ferns are in prime condition and the araucarias and other Christmas favorites were never better. Mr. Oechslin's place is a favorite resort for out-of-town visitors and



BE SURE that you get the MEYER GREEN SILKALINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKALINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKALINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.
In writing advertisers kindly mention HORTICULTURE.



Canton China Hall-Seat or Plant
Pot Stand

Our stock of China and Glass occupies ten floors and more than 9,000 bins including everything in this line pertaining to the **Home, Hotels, Clubs, Public Institutions, etc.**

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Plant Pots and Pedestals

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potters' art, to our importations of English, French, German, Japanese and Chinese **Plant Pots** or **Jardinieres**, selected by our buyers at the places of production.

They include all sizes and shapes up to the large and very large, from the lowest price through the medium to the costly.

Dinner Ware. On the 3rd and 4th floor will be found an **unequalled exhibit of Dinner Sets** all values from the expensive upwards.

CANTON CHINA PLANT POT



they are always given a hearty welcome

Plants for Christmas.

Retailers are scurrying around among the growers to see what blooming and decorating plants are available for Christmas. It appears that cyclamen are in much larger supply than usual, and plants are in the pink of condition, ranging in size from 5 to 7-in. pots. Begonias also are to be seen in quantity, the Cincinnati taking the lead in numbers, though a good many Lorraines are grown. Begonia Davenport will be tried again next season, when it is hoped it will do better than it has done this year. Azaleas will meet all demand and there is an especially good supply of the medium and small sizes. Heather is in excellent condition and fairly abundant. There are plenty of primulas, mainly obconicas. Dutch bulbous stock will be extremely limited. The foregoing comprises the bulk of blooming plants and with the otaheite oranges and berried plants will serve to brighten up the stores. Kumquats, so much in evidence a year ago, are now among the missing. Araucarias are the leaders in decorative foliage plants and Dracaena terminalis, palms, ferns, &c., are welcome additions.

Another Brick Thrown.

The flower business had another rebuff when one of the incoming county officers tried to prevent the use of flowers when the new officers took their seats Monday. This has been a time-honored custom and not to be given up lightly, so the big floral em-

blems found their ways to the various rooms as before. Peter Reinberg had many remembrances from his political friends as he took his new office as president of the County Board.

An Echo from the Boston Convention.

Among the visitors at the Kroeschell exhibit last August was O. H. Williams, of Olneyville, Providence, R. I. His farewell to Mr. Lautenschlager was, "Some day I will buy a Kroeschell." The other day his boiler gave out and he took the fast train for Chicago, to see the Kroeschell boiler at the factory. He bought a No. 11, which will heat 22,500 sq. ft. of glass when the temperature is 15 degrees below zero. Two hours after the order was placed, the big boiler was on its way East.

Plant Baskets as Funeral Tributes.

Tom McAllister is one of the progressive men in the trade. So carefully does he pilot a customer through the difficulties of placing an order, that very few of the freak funeral designs come his way. A large basket of live plants with bow of ribbon to harmonize, he regards as more dignified and befitting a funeral, and says there is just as much money in it for the retailer as in the ridiculous freak design and far more satisfaction.

THE MID-DECEMBER LULL.

The second week of December has always been a bad one for the flower business. So says a retailer of a quarter of a century's experience, who has kept record day by day, week by week, month by month, and year by year, during all of these twenty-five years. The disappointed ones may

therefore take heart. It's in the scheme of things, and always has been. The proper frame of mind under the circumstances is the old biblical injunction: "Blessed is he who expecteth little: for he will not be disappointed."

If the growing end of the business has had the same careful records kept (from their standpoint) there will be no plaint coming when the returns arrive from the wholesaler. The lull probably comes from the natural tendency of people in general to conserve themselves a little for the Christmas and New Year festivities.

G. C. W.

NEW FLOWER STORES.

Plainfield, Ct. John L. Alquist.

Huntington, Ind.—A. G. Bieberich.

Asheville, N. C.—Allison's Flower Shop.

Wilkesbarre, Pa.—G. Bauman, 168 S. Main street.

Providence, R. I.—Frederick Bohl, 410 Kinsley bldg.

Cleveland, O.—Miss Christine Chiff, 7720 Hough avenue.

New York, N. Y.—Robert Pressfreund, 414 Fourth avenue.

Portland, Ore.—Fairlyland Flower Shop, Broadway and Alder street.

Portland, Ore.—C. C. Ruenitz, 382 Yamhill street; S. B. Hendee, 142 Broadway.

IN THE NATIONAL CAPITOL

Send your orders for Washington, D. C. and the surrounding country to us. We have the best stock, quickest and most satisfactory service; Prices right. We carry the largest stock by far of any Retail Flower Store in the East.

REMEMBER, every customer must be satisfied. If not, either the order will be duplicated or no pay accepted.

CUDE BROS. COMPANY

WASHINGTON, D. C.

NEW YORK NOTES.

All reports from C. H. Totty continue favorable and his complete recovery from his recent illness and operation seems now only a matter of a short time.

Guttman & Raynor have moved across the street to the corner of Sixth avenue and W. 28th street. It is a basement store, but very spacious and well adapted to the wholesale flower business.

The next meeting of the New York Florists' Club will be held on Monday evening, December 14. There will be a big turnout of members undoubtedly, as the election of officers for the coming year will be in order. Harry A. Bunyard and I. S. Hendrickson are the presidential candidates.

Secretary John Young is one of the busiest men in New York these days. What with the preparing of the annual report and other S. A. F. business, his duties in the N. Y. Florists' Club and the multitudinous details in preparation for the International Flower Show which is now only three months distant as well as the requirements of his own business John Young is certainly a very "live wire."

Secretary Young reports regarding

the International Flower Show to be held at Grand Central Palace, New York, March 17-23, 1915, that encouraging progress is being made. Many applications are being received for schedules, showing an increased interest by possible exhibitors in the competitive section. The sale of space is also progressing satisfactorily and orders for space in the official Souvenir program are being regularly received. The guarantee list amounts at the present time to \$6,000.

A LANSDOWNE HOWL.

There are probably more florists to the square foot in this nearby Philadelphia borough than in any other similar community. Our readers will therefore be interested in reading the following amusing squib from the Lansdowne News in re the late boost in commuters' fares.

G. C. W.

THE NEW HOLIDAY

Suggestions are now in order regarding December fifteenth, a local holiday. "Railroad Day" it might be called in honor of former indifferent or careless railroad presidents who failed to make the most of their opportunities.

At the same time a committee could be organized to gather together the loose change, if any, possessed by the commuter and put it in a fund for the relief of the suffering railroad stockholders.

hear much of their troubles and of the evident dislike the public has for them as a class, but nothing of ways and means to relieve their depressed animal spirit nor provide them with gasoline and other necessities. Make a start somebody.

THE WALKING CLUB.

A movement is already on foot to organize the "Anti-Railroad Walking Club of Lansdowne." The organization proposes to unite its members into bands of twenty-five's which will leave Lansdowne at convenient times and march to Philadelphia and back each day instead of patronizing the railroad.

Each member will provide himself with two nickels (saved from the carfare) to be dropped into Cobb's creek as the Club passes through Angora. It is the idea of the organizers that as it becomes known that there is something in the creek in addition to the odor, which, by the way, does not stay in, pioneers will be gradually attracted to the place and in time the board of health will find this out and have the dammed creek filled up—or we should say have the filled creek dammed up. It has been dammed up and down before, but now it is hoped it will be dammed up and filled up so the malaria fearing public may pass that way with less apprehension.

Anybody with two nickels is eligible to membership.

Fitchburg, Mass. Fire which swept through the building at 424-44 Main street damaged the flower store managed by Otto Mallgraw to the extent of \$500.

CHICAGO FLOWER GROWERS' ASSOCIATION

HEADQUARTERS FOR

Beauties, Roses, Carnations, Violets—Everything Seasonable in Flowers
CHRISTMAS GREENS—BOXWOOD, \$7.00 PER 50 LB. BOX

CHICAGO, - - - - - ILLINOIS

Make Your CHRISTMAS A Hummer!

WE CAN SUPPLY THE RIGHT GOODS AT THE RIGHT PRICES

HOLLY—LAUREL—MISTLETOE

See our Holly before Ordering Elsewhere as it is the finest coming into Boston

HOLLY. 1 case \$5.00; 2 cases, each, \$4.50; 5 or more cases, each, \$4.00 per case.
MISTLETOE. 4 lbs. to the box, quality guaranteed. Per box, \$1.50
BOXWOOD. Per case, \$7.50
WILD SMILAX. Per case, 6.00
HARDY FERNS. Per 1000, 1.50
GALAX, Brown and Green. Per 1000, \$1.25; per case, 7.50
LAUREL ROPING. Finest made, 6c. per yard
PRINCESS FINE ROPING. Well made, 8c. per yard.
LAUREL WREATHS. 12 inch rings, outside measurements 18 to 20 inches, \$2.00 per dozen.
RUSCUS. Red. Imported, per lb., \$1.00; Domestic, per lb., 75c.
CHRISTMAS BELLS. 5 in., per doz., \$2.00; 3½ in., per doz., \$1.00; 2½ in., per doz., 75c.

CHRISTMAS BALLS. 8 in., per doz., \$6.00; 6 in., per doz., \$4.00; 4 in., per doz., \$2.00.

IMMORTELLS, Red. The best color in the market.

EVER READY POT COVERS, Green White and Red. To fit all sizes.

Large Assortment of **CHRISTMAS RIBBONS.**
REMEMBER WE ARE THE LARGEST FLORIST SUPPLY HOUSE IN NEW ENGLAND.

SELECTED PLANTS

AZALEAS—Mme. Petrick, Simon Mardner, Vervaeana, Vervaeana alba. \$1.00 to \$2.00 each.

BEGONIAS—Cincinnati. Extra fine, 35c. to \$1.25 each.

POINSETTIAS. Single and in pans, 25c. to \$2.50 each.

PRIMULA OBCONICA. 35c. to 50c. each.

ARDISIAS. 50c. to \$1.25 each.

JERUSALEM CHERRIES. 25c. to 50c. each.

CUT FLOWERS

We shall carry a full supply of every variety of flowers the market offers. We would respectfully again call your attention to our Roses which are the finest in New England. Stock strictly fresh and none salted.

We are cultivating roses under about 100,000 square feet of glass—only the best known varieties and our average daily cut is 3000 roses, stems running all lengths, strictly free from mildew, with good heads.

Most of our carnations are grown especially for our trade and shipped to us every day which is true also of everything else in the line of cut flowers in season. **Send for Special Price Quotations.**

N. F. McCARTHY & CO.

112 Arch Street and 31 Otis Street, Boston, Mass.

Telephones **5002**
5972 If one is busy
5973 Call the other
5974

Visitors Register

Minneapolis, Minn.—A. F. Longren, Chicago; Geo. Dysinger, Ionia, Mich.

Boston—M. Boks, Ghent, Belgium; J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.; Robt. Greenlaw, of S. S. Pennock-Meehan Co., Phila.

St. Louis—Martin Reukauf representing H. Bayersdorfer & Co., Philadelphia; Julius Dillhoff, representing Schloss Bros., New York; Peter Bissett, of the U. S. Department of Seed and Plant Introduction, Washington, D. C.

Philadelphia — Henry D. Knight, Foster & Foster, Palm Beach, Fla.; Walter Mott, representing Benj. Hammond, Beacon, N. Y.; Mr. Schluraff, of Schluraff Floral Co., Erie, Pa.; B. J. Delaney, representing J. Chas. McCullough, Cincinnati, O.

Washington — John VonZonneveld, Sassenheim, Holland; Charles E. Meehan, of the S. S. Pennock-Meehan Company, Philadelphia, Pa.; Mrs. A. M. Henshaw, New York, N. Y.; William J. Muth, rep. King Construction Company, Philadelphia, Pa.; Charles M. Wernig, Springwood Farms, York, Pa.

Chicago.—Mr. Rice, of Terre Haute Rose & Carnation Co., Terre Haute Ind.; F. H. Montgomery, Fairfield,

ARRANGEMENT OF ROSES AND BARBERTON DAISIES.



Ia.; Geo. F. Crabb, Grand Rapids, Mich.; Mr. and Mrs. H. Niednagel, Evansville, Ind.; A. C. Richer, Michigan City, Ind.; Harry E. Philpott, Winnipeg, Man.; Mrs. J. E. Lord, Topeka, Kas.; J. F. Sullivan, Detroit, Mich.; Mr. and Mrs. Wilbur Miller,

Washington, Ia.; Gus Fredrickson, St. Joseph, Mich.; P. N. Obertin, Kenosha, Wis.; H. B. Dorner, Urban, Ill.; E. A. Feters, Detroit, Mich.; R. B. Rahaley of the Michigan Cut Flower Exchange, Detroit, Mich.; D. M. Wigle, Rochester, Minn.

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VALLEY, ORCHIDS, VIOLETS and GARDENIAS

UNLIMITED IN QUANTITY—UNEQUALLED IN QUALITY

And a full line of CARNATIONS, LILIES, ROSES,
SWEET PEAS, BULBOUS STOCK, Etc.

M. C. FORD

HOLIDAY CUT FLOWERS : : : FIRST QUALITY

Special American Beauties; All the Popular Tea Roses; Double Violets;
Valley, Lilies, etc. The Entire Cut of 200,000 Carnation Plants

Favorable Prices

Send for Quotations

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West 28th St.

NEW YORK

Tel. 3870-3871
Mad. Sq.

Personal

Arthur C. Ruzicka has taken the position of head gardener, in charge of the estate of C. Oliver Iselin, Glenhead, N. Y.

Chester I. Campbell, who will be remembered as the efficient manager of the Boston National Flower Show, has been elected mayor of the city of Quincy, Mass., by a big majority.

George F. Chadborn, president and manager of Schaefer's Inc., was stricken in New York City December 3d, and taken to the Lincoln Hospital on 141st street. The exact circumstances have not been learned. Mrs. Chadborn, who was with him at the time, hopes that he will be so far recovered as to be able to return to Newburgh in a few days.

NEWS NOTES.

Akron, N. Y.—Wm. F. Kasting has purchased the Newman Greenhouse.

N. Milwaukee, Wis.—The Eschrich Floral & Nursery Co. has purchased the business of the Sunny Point Floral Co.

Mountain View, Cal.—Wilkins, East & Co. have started in the nursery business here, and have opened an office in San Francisco.

Waverly, Mass.—Poinsettias in "serried ranks," beauteous Lorraines and Cincinnatis, countless azaleas in the brightest colors and all the other stock for which the W. W. Edgar have established a reputation make their

houses well worthy of a visit now. Among the things seldom seen elsewhere are the speciosum rubrum lilies blooming gayly for Christmas and the standard heliotropes, the rich fragrance of which permeates the entire neighborhood.

At the annual meeting of the Paterson (N. J.) Horticultural society held Tuesday evening Dec. 2, at the Y. M. C. A. the following officers were elected for the ensuing year: President, Joseph Ackerman; vice-president, Dr. Thomas Moore; recording secretary, Sebastian Hubschmidt; financial secretary, Francis Bredder; treasurer, Hugh Clark. In the monthly competition the award went to F. Milne of Totowa, who showed a magnificent vase of carnations.

During Recess

N. Y. Florists' Bowling Club, Thursday, Dec. 2.

	1st Game	2nd Game
J. Miesen	209	218
J. Feurich	153	107
A. Kakuda	172	150
A. J. Guttman	144	156
H. C. Riedel	159	161
C. W. Scott	169	168
F. Jacobson	143	157
W. P. Ford	162	181

The annual dinner of the Oyster Bay (N. Y.) Horticultural Society will take place at the Oyster Bay Inn on Thursday evening, Dec. 17. It will be a beefsteak dinner. Floral decorations and music will be special features.

Cut Flowers for Christmas

Ample Supplies of all staples in cut flowers

ROSES
CARNATIONS

VIOLETS
VALLEY

ORCHIDS
GARDENIAS

EVERYTHING IN SEASONABLE GREENS

Everything in season Long Experience Careful, conscientious service

BERGER BROS.

1225 Race
Street

WHOLESALE
FLORISTS

Philadelphia, Pa.

**GARDENIAS — CATTLEYAS — LILAC
PUSSY WILLOW — MIGNONETTE
CYPRIPEDIUM**

Don't forget to include these items in your Christmas order. Our supply is ample and your orders will be filled complete

THE LEO NIESSEN CO.

Wholesale Florists

BALTIMORE, WASHINGTON, PHILADELPHIA

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Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
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FOR
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THOSE
MADE
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66 PEARL ST., BOSTON

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Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

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"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 7		CHICAGO Dec. 7		BUFFALO Dec. 7		PITTSBURG Dec. 7	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	40.00	to 50.00	30.00	to 35.00	35.00	to 40.00
" " Fancy and Extra.....	15.00	to 20.00	30.00	to 40.00	20.00	to 25.00	20.00	to 30.00
" " No. 1.....	8.00	to 12.50	10.00	to 25.00	10.00	to 15.00	12.50	to 15.00
Killarney, Richmond, Extra.....	6.00	to 8.00	8.00	to 12.00	.....	to 8.00	8.00	to 12.00
" " Ordinary.....	2.00	to 4.00	3.00	to 5.00	3.00	to 5.00	4.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 8.00	8.00	to 12.00	7.00	to 8.00	8.00	to 12.00
" " Ordinary.....	2.00	to 4.00	4.00	to 6.00	3.00	to 5.00	4.00	to 6.00
Maryland, Shawyer, Taft, Extra.....	6.00	to 8.00	8.00	to 12.00	7.00	to 8.00	8.00	to 10.00
" " Ordinary.....	2.00	to 4.00	3.00	to 6.00	3.00	to 6.00	4.00	to 6.00
Russell, Hadley, Ophelia.....	.....	to 1.00	.....	to 35.00	6.00	to 8.00	.....	to 1.00
Carnations, Fancy.....	2.00	to 3.00	3.00	to 4.00	.....	to 3.00	.....	to 4.00
" " Ordinary.....	.....	to 2.00	.....	to 3.00	2.00	to 2.50	2.00	to 3.00
Cattleyas.....	.....	to 50.00	50.00	to 75.00	35.00	to 50.00	40.00	to 65.00
Cypripediums.....	.....	to 10.00	.....	to 12.00	8.00	to 10.00	10.00	to 12.00
Lilies, Longiflorum.....	.....	to 10.00	8.00	to 12.00	8.00	to 10.00	10.00	to 12.00
Lily of the Valley.....	4.00	to 5.00	3.00	to 5.00	4.00	to 5.00	3.00	to 4.00
Violets.....	.50	to .75	1.00	to 2.00	.75	to 1.00	.....	to 1.00
Snopdragon.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Narcissus, Paper White.....	2.00	to 3.00	3.00	to 4.00	.....	to 3.00	.....	to 4.00
Corn Flower.....	.....	to 1.00	.....	to 1.00	.40	to .50	.....	to 1.00
Chrysanthemums.....	8.00	to 12.00	10.00	to 25.00	5.00	to 25.00	6.00	to 25.00
Stevia.....	1.00	to 1.50	.....	to 1.50	.....	to 1.50	.....	to 1.50
Sweet Peas.....	.50	to .75	1.00	to 2.00	.50	to .75	.....	to 1.50
Gardenias.....	.....	to 20.00	.....	to 25.00	.....	to 25.00	.....	to 25.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	.....	to 1.25
Smilax.....	.....	to 12.50	12.00	to 18.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100).....	20.00	to 25.00	35.00	to 50.00	40.00	to 60.00	30.00	to 40.00
" " & Spreng. (100 bchs.).....	20.00	to 25.00	25.00	to 35.00	30.00	to 50.00	30.00	to 50.00

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Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

CHRISTMAS GREENS, HOLLY WREATHS

Every year our sales of Holly Wreaths are greater than each preceding year, owing to the fact that the quality is so much above the average; well made, plenty of berries and of the very best Holly obtainable.

If you have never bought this stock, try a case and you will be sure to be a regular customer. Packed about 125 to the case.

\$15.00 and \$20.00 per 100; Extra Large, \$25.00, \$35.00 and \$50.00 per 100.

HOLLY is exceptionally well berried this year and good foliage. We offer only the best quality.

\$5.00 per case. Special quotations in quantity.

RETINOSPORA SPRAYS. Something original, artistic, attractive and entirely new in Christmas Greens. A splendid novelty for the holidays.

Four pounds of these cut sprays will make a good sized wreath. Nothing handsomer in Greens. As the originators of Cut Boxwood we claim Cut Retinospora is just as valuable an acquisition for the up-to-date florist.

25 lb. Crates, \$7.50. 100 lbs. Crates, \$25.00.

BOXWOOD. In large quantities, the choicest quality. No surplus wood, splendid stock. Every crate guaranteed if shipped by express. Immediate or Christmas deliveries.

\$7.50 per case of 50 lbs. \$15.00 per case of 100 lbs.

LYCOPodium. Order Now at our price of \$9.00 per 100 lbs. A paying investment to stock up now, as it generally advances on account of winter weather.

GALAX (new crop), Bronze and Green..... per 1,000, \$1.50; per case 10,000, \$7.50

NATURAL MAGNOLIA LEAVES..... per 1,000, 7.50

MAHONIA, Bronze and Green..... per 100, \$1.50; per 1,000, 12.50

CHESTNUT OAK..... per 100 sprays, 2.00

LEUCOTHOE, Bronze and Green..... per 100, \$1.00; per 1,000, 7.50

MEXICAN IVY..... per 1,000, 7.50

NUTMEG..... per 100 sprays, 3.00

REDWOOD..... per 100 lbs., 20.00

WOODWARDIA FERNS..... per 100 sprays, 15.00

HARDY DAGGER FERNS..... per 1,000, 2.00

FANCY FERNS..... per 1,000, 2.50

LAUREL ROPING, extra heavy..... per 100 yards, 6.00

WILD SMILAX..... per case, 5.00

CUT HEMLOCK..... large bundle, \$2.50; 5 bundles, 10.00

HARDY ENGLISH IVY LEAVES..... per 1,000, 3.00

GREEN SHEET MOSS..... per bag, 3.50

GREEN LUMP MOSS..... per barrel, 1.50

FADELESS GREEN SHEET MOSS..... per bag, 3.50

SPHAGNUM MOSS (durlapped)..... 10-bbl. bale, \$1.00;

5 bale lots, per bale, \$3.75; 10 bale lots, per bale, 3.50

RED BERRIES..... per case, \$2.50 and 5.00

CUT LAUREL..... per bunch, about 5 lbs., .50

CUT POINSETTIAS, Some specially well grown stock. The large heads are beautiful specimens, deep velvety red. Per

100, \$25.00 and \$30.00. A few of the very large ones, \$50.00.

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Flower Market Reports

Business is holding its own since Thanksgiving week, and every day seems to be improving as we are nearing Christmas. Orders for wreaths, roping and greens of every description are coming in somewhat earlier than in other years. Palms, ferns and flowering plants have been selling readily. Cut flowers also have had a good run, especially in dollar baskets and boxes. Most of the seed houses have their representatives out soliciting orders for spring delivery. Judging by the way things are going we may expect a prosperous holiday and spring trade.

The local trade is trying hard to take an optimistic view of business prospects, and there is just the least bit of justification for the attempt. Conditions are certainly not what they should be at this time of the year, but there are some firms, both wholesale and retail, who claim to be doing almost normal business. Several of the retail stores have been working on department store decorations, and consequently the demand for greens has been stimulated. All flowers are plentiful, therefore but little increase in prices has been secured. Chrysanthemums are still being cut in large quantities and are selling around the \$1.00 per dozen mark. Stormy weather has helped shorten

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 9		ST. LOUIS Dec. 7		PHILA. Dec. 7	
Roses						
Am. Beauty, Special.....	20.00	to 30.00	25.00	to 40.00	25.00	to 30.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
" " No. 1.....	5.00	to 8.00	8.00	to 10.00	10.00	to 12.00
Killarney, Richmond, Extra.....	4.00	to 5.00	6.00	to 8.00	6.00	to 8.00
" Ordinary.....	2.00	to 4.00	3.00	to 5.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Ordinary.....	1.00	to 2.00	4.00	to 6.00	4.00	to 5.00
Maryland, Shawyer, Taft, Extra.....	2.00	to 5.00	6.00	to 8.00	6.00	to 8.00
" Ordinary.....	1.00	to 2.00	2.00	to 4.00	3.00	to 5.00
Russell, Hadley, Ophelia.....	4.00	to 15.00	8.00	to 10.00	6.00	to 12.00
Carnations , Fancy.....	3.00	to 5.00	2.00	to 3.00	3.00	to 4.00
" Ordinary.....	1.00	to 2.00	1.00	to 1.50	1.50	to 2.00
Cattleyas	35.00	to 50.00	40.00	to 50.00	.....	to 50.00
Cypripediums	6.00	to 10.00	.....	to ..	.....	to 15.00
Lilies , Longiflorum.....	8.00	to 10.00	10.00	to 12.50	10.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets.....	.50	to .75	.50	to 1.00	1.00	to 1.25
Snopdragon	3.00	to 4.00	.....	to ..	6.00	to 10.00
Narcissus , Paper White.....	2.00	to 3.00	.....	to ..	2.00	to 3.00
Corn Flower.....	.50	to .75	.....	to ..	.....	to ..
Chrysanthemums	2.00	to 12.00	10.00	to 20.00	8.00	to 20.00
Stevia.....	.....	to 1.00	.....	to ..	.....	to 1.00
Sweet Peas.....	.40	to .60	.50	to 1.00	.50	to 1.50
Gardenias	1.00	to 25.00	.....	to ..	1.00	to 20.00
Adiantum.....	.50	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	2.00	to 12.00	10.00	to 19.50	12.00	to 15.00
Asparagus Plumosus , Strings (100).....	25.00	to 40.00	35.00	to 50.00	40.00	to 50.00
" & Spreng. (100 Bchs.).....	25.00	to 50.00	20.00	to 30.00	35.00	to 50.00

up crops a bit. Nevertheless we ascertain from advance orders received by several retailers that business will make a marked change for the better within the next few days. A prominent retailer, who does not care to publish his name, states that he has secured a \$2,500 decoration to be completed this week. This speaks well for increased business in all branches of the trade.

A rainy week, dark weather, lots of stock and no business is the

report of conditions throughout the entire past week. Chrysanthemums have been plentiful, also roses and carnations, the latter having very weak demand. Lily of the valley has never been so slow. Violets and sweet peas are also on the quiet side. Floral work was not in evidence and the surplus had very little or no outlet. Holly and decorative greens have had the call, and considerable laurel has been used by department stores. The time is nearing when all

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SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US
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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 5 1914		First Half of Week beginning Dec. 7 1914	
American Beauty, Special	15.00	to 25.00	30.00	to 40.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 20.00
" " No. 1	4.00	to 6.00	4.00	to 8.00
Killarney, Richmond, Extra	3.00	to 4.00	3.00	to 4.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 8.00	2.00	to 6.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00
Maryland, Sawyer, Taft, Extra	3.00	to 8.00	3.00	to 8.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00
Russell, Hadley, Ophelia	6.00	to 10.00	4.00	to 10.00
Carnations, fancy Grade	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50

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**THE Florists' Supply
House of America**

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

Flower Market Reports

(Continued from page 855)

should be in readiness for the second holiday rush, and it can not come too soon. The outlook is promising and a heavy business is looked for.

Most of the trade considers business to be little, if any, below normal. None of the conditions are especially favorable and much might be said against them, still a fair amount of stock is disposed of daily and most of it to good advantage. The high temperature of a week ago made stock slightly soft and growers are quite relieved at even a slight reduction in the temperature. Week-end trade was good and the close of the opening week in December showed a very fair sales record. The opening of the second week was even more favorable. Beauties are bringing in the dollars, for both demand and price are good. The short lengths are inclined to be poor. Sweet peas are doing fairly well and lily of the valley is in very good demand. Among roses Mrs. Russell and Milady are outclassing all others. Some of the former sold as high as five dollars per dozen last week. Milady is so large and has such a fine stem and its keeping qualities are so good that it is hard to sell Richmonds to the admirers of Milady. One large house predicts the supremacy of Milady if it proves a good Christmas bloomer. Carnations are of several grades and plenty of each.

Four days of terribly stormy weather has not helped a situation already very disheartening to the flower trade of this city, retail and wholesale feeling the pinch with equal severity. With the exception of perhaps lilies and cattleyas of the best quality the prices prevailing in the wholesale district this week are considerably lower than at a corresponding time last year. If there can be said to be any extra demand on any line it is for American Beauty roses which have stiffened up a little all along the line. Lily of the valley has been given a bad knock, the supply of flowers coming in far exceeding the demand. Southern asparagus is piled up everywhere and is hard to move at any price. Roses, carnations and violets are all in the discard, it would seem. Chrysanthemums still linger on all sides. A few nice white lillacs and fine sweet peas are seen.

More stock and less business is the verdict for the past week. The recession from the Thanksgiving week activity was quite marked. The slump affected no one thing in particular but pretty much everything all along the line. Towards the end of last week prices stiffened a little, but were far from getting back to normal. Saturday was blustery cold and wet, thus closing up one of the avenues for some kind of a clean-up. As a consequence a great quantity of good flowers went out for almost nothing. In roses, the Killarneys are exceptionally good, Richmonds have

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Bronze and Green Galax, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00 per 1000.
Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.
Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 5 1914		First Half of Week beginning Dec. 7 1914	
Cattleyas	15.00	to 50.00	15.00	to 50.00
Lilies, Longiflorum	4.00	to 8.00	5.00	to 10.00
Rubrum	2.50	to 6.00	2.00	to 6.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Violets	.40	to .60	.35	to .50
Corn Flower				
Chrysanthemums	5.00	to 20.00	4.00	to 20.00
Sweet Peas (per 100 bunches)	4.00	to 10.00	4.00	to 10.00
Gardenias	5.00	to 20.00	5.00	to 20.00
Adiantum	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	25.00	to 30.00	15.00	to 30.00
& Spreng (100 bunches)	10.00	to 20.00	10.00	to 20.00

greatly improved and American Beauties are splendid quality. Carnations also have shown continued improvement in form. The leader is undoubtedly Gorgeous. There is not a big supply of these, but what there are coming in are certainly magnificent. Close seconds to it are Matchless, White Wonder, Pink Delight and Enchantress Supreme. Triana is now the principal cattleya to be seen. Cypripediums continue plentiful and of unusually good quality. The demand for violets is fair, but the prices have gone down considerably. The late chrysanthemums are still in evidence but in greatly diminished quality. The end of this week will see the bulk of them over. Advance bookings for Christmas plants and greens are reported as very satisfactory.

SAN FRANCISCO

Business was a little quiet right after Thanksgiving, and while it is now picking up again, there is hardly the activity that is usual at this time of year. It is thought that the Thanksgiving trade fairly set the keynote for the whole holiday business; plenty of small business and a large demand for cheap goods, with a slow movement of the finer offerings. California holly is again in large supply, of remarkably fine quality, and finds a large demand. English holly is being offered from several quarters for Christmas, northern stock being preferred. A few poinsettia heads have come in from San Diego. A week of rain has further curtailed offerings of chrysanthemums, though there are still plenty. Appleton and Jeanne Nonin being among the principal varieties. Pompons are disappearing. The violets are now showing up much better, and in larger quantity, but the shipping demand is only moderate. There is a little call for roses in the north. Beauties are improving slowly; Radiance is very nice, and finds a good

sale, and Maryland is holding up very well. Orchids are increasingly scarce. There is an abundance of fine cyclamen, the demand for which is improving. The average Japanese carnations are overfed, and do not keep well, though some growers are offering a little very fine stock. Gardenias are now in fair supply, and are pretty well taken. A lot of the miscellaneous outdoor stock that has figured in the market for some time is now playing out; while offerings of freesias and paper whites are increasing steadily, the season being exceptionally early.

ST. LOUIS

The local market during the last week has been fairly good as to supply and demand and all prices reasonable, but the dark, rainy days all of the past week will no doubt have a telling effect on the supply for Christmas. Business since Thanksgiving has been only fair, as the bad weather had a bad effect with all the retailers on the counter trade. Roses and carnations are fine and not any too many just now. Violets, chrysanthemums, sweet peas, lily of the valley and paper whites are in abundance. Christmas can not as yet be told, but cut stock will be scarce and high and plants will have the call.

WASHINGTON

Continued warm weather, while somewhat beneficial to the retail florist, has tended to bring about an oversupply of flow-

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Storrs & Harrison Co., Painesville, O.
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King Construction Co., North Tonawanda, N. Y.
"King Ideal" Boiler.

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BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price list on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BOXWOOD SPRAYS

FANCY BOXWOOD SPRAYS. Bright Green Dwarf and Tree varieties, direct from Southern Plantations, every pound guaranteed. Packed in light weight freight or express containers. Let us quote you on your requirements. Sample free. PITTSBURGH CUT FLOWER COMPANY, 121 Sandusky St., Pittsburgh, Pa.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Arthur T. Boddington, New York City.
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CALCEOLARIA

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.

New Carnation Allee.
For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Cottage Gardens Co., Inc., Queens, N. Y.
Carnations Matchless, Mrs. C. W. Ward and Beacon.

Carnation rooted cuttings: Wonder, 3c.; Pink Windsor, 2 1/2c. January delivery.
C. L. PIERCE, Holbrook, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

CARNATION STAPLES—Continued

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

CHRYSANTHEMUM STOCK PLANTS—50 standard varieties, \$3.00 per 100; 60c. per doz. H. ROLFE, Hammonton, N. J.

For Sale—Chrysanthemum stock plants, Major Bonaffon, three dollars per hundred. E. G. BLANEY, 163 Burrill St., Swampscott, Mass.

Chrysanthemum Stock Plants—250 Smith's Advance, early white; 250 Pacific Supreme, early pink; 800 Yellow Bonaffon; 800 Wells' Late Pink; \$4.00 per 100. NICHOLAS RELYUNG, 528 Emmett Ave., Trenton, N. J.

CHRISTMAS FLOWERS

Welch Bros. Co., Boston, Mass.

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

CHRISTMAS FLOWERING AND DECORATIVE PLANTS

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Woodrow & Markatos, New York City.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Anton Schultheiss, College Point, L. I., N. Y.

CHRISTMAS GREENS

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

COLEUS

Colens, Verschaffelt and Golden Bedder, strong plants from 2-in. pots, \$1.50 per 100; \$12.50 per 1000. W. E. KING, Box 1365, Little Silver, N. J.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.
Julius Roehrs Company, Rutherford, N. J.
For page see List of Advertisers.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

For List of Advertisers See Page 819

DECIDUOUS TREES

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-
stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

FERNS

Henry A. Dreer, Philadelphia, Pa.
Ferns for Bushes.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

Ernest Oechslein, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Stumpp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.

Plantlife Co., New York, N. Y.
For page see List of Advertisers.

Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.

Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.

Natural Guano Co., Aurora, Ill.
Pulverized Sheep Manure.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

Reed & Keller, New York City.
For page see List of Advertisers.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

H. Bayersdorfer & Co., Philadelphia, Pa.
Red Frieze Statice Immortelles.
For page see List of Advertisers.

Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

E. Allan Pearce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hillinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white. Rooted Cuttings, \$1.00
per 100; 2 1/2 in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

J. E. Felthousen, Schenectady, N. Y.
For page see List of Advertisers.

4,000 S. A. Nutt, rooted cuttings; 1,000
B. Poltevine. Ten dollars per thousand.
GEO. P. GRIDLEY, Waltham, N. H.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Gladiolus Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

Planting stock and bulblets—Holley,
America, Princeps, Chicago White, Niagara,
Mrs. King, Golden King, Pendleton, Peace,
Panama and all the good ones. Write for
list. HOMER F. CHASE, Lawrence, Mass.

MRS. FRANK PENDLETON.

I am headquarters for pure stock of this
grand pink gladiolus. Write for quotations
on all sizes. Prices right.

L. MERTON GAGE, Natick, Mass.

First-Class No. 1 Bulbs—Prices per 100
for cash only, America, Brechleyensis, Mrs.
E. King and Augusta, \$1.00. Good mixture,
75c. Victory, \$1.50. GEO. HALL, Adelphi, N. J.

Write for price list home-grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH.

M. D. Jones Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.
For page see List of Advertisers.

**GREENHOUSE BUILDING MATERIAL—
Continued**

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

William H. Lutton Co., Jersey City, N. J.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Daniel Hiffe, South Weymouth, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.
Pierson U-Bar Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.

For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.

Fancy and Dagger Ferns.

For page see List of Advertisers.

The Kervan Co., New York.

For page see List of Advertisers.

HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Daniel Hiffe, South Weymouth, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co.,
Chicago, Ill.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IVY

English Ivy from field, 20 to 30 in., \$3.00; from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

JERUSALEM CHERRIES

Jerusalem cherries, 4 inch., pot grown, strong plants and well berried, \$15.00 per 100. Cash. F. SOKOL, College Street, Worcester, Mass.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.
For page see List of Advertisers.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

McHutchison & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

F. R. Pierson, Tarrytown, N. Y.
Cold Storage Lily of the Valley.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.
\$5.00 per 1,000; Clumps, \$5.00 per 100, 5 inch., for outdoor planting. Dahlias of all varieties. HENRY SCHAUMBERG, Hammononton, N. J.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS STOCK

The Storrs & Harrison Co., Painesville, Ohio.
For page see List of Advertisers.

MISTLETOE

XMAS MISLETOE—Heavily berried, ready for shipment to reach you on or before Dec. 20, as you desire. Give me your order at once; any quantity. J. H. LINCH, Turin, Ga.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louisville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Robbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers
F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

Henry A. Dreer, Philadelphia, Pa.
Select Forcing Rhododendrons.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass.
New Rose Mrs. Moorfield Storey.
For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.,
New Rose Hoosier Beauty.
and F. Dorner & Sons Co., Lafayette, Ind.

Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and
Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Boston, Mass., and London, England.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and
Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

SEEDS—Continued.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SNAPDRAGONS

SNAPDRAGONS — Ramsburg's Silver Pink, and Buxton's Pink for planting after 'Mums'; 2 1/2-in. pots, \$2.50 per 100. SUNNYSIDE GREENHOUSES, R. F. D. No. 7, Schenectady, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

SPIREAS

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

STANDARD REGISTERING THERMOMETERS

Standard Thermo Co., Boston, Mass.
For page see List of Advertisers.

STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue. HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

**WHOLESALE FLORISTS
Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 353-57 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo, Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

**WHOLESALE FLORISTS—Continued
Rochester, N. Y.**

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St. N. W.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.**SITUATIONS WANTED**

SITUATION WANTED. By a seedsmen, who has been to the front in many busy seasons, in which his managing and working ability has been tested in winning success; has an intimate knowledge of vegetable, farm and grass seeds; a versatile worker, developed by long experience with several seed firms, now seeks an engagement to begin early in the new year. DENNIS KENNA, 436 Amity St., Flushing, N. Y. (Flushing is in Greater New York.)

FOR SALE**Florists' Attention**

We have on hand ready for shipment all material necessary for the superstructure of a **MODERN IRON FRAME LUTTON GREENHOUSE**, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300, F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the LUTTON Reputation. We will send you even the **GALVANIZED NAILS, BOLTS AND SCREWS** for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M." care HORTICULTURE.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

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SUPPLIES**

To have them Right and
in Time The Best in
the World Can be had
from the **Advertisers**
in This Paper.

ORDER THEM NOW

In writing to Advertisers kindly mention Horticulture

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Arthur T. Boddington, New York City
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BUILD UP YOUR GARDEN TRADE.

Mt. Desert Nurseries, Bar Harbor, Me.
For page see List of Advertisers.

CHRISTMAS FLOWERS.

George C. Siebrecht, New York City.
For page see List of Advertisers.

CHRISTMAS FLOWERS.

M. C. Ford, New York City.
For page see List of Advertisers.

CHRISTMAS FLOWERING AND DECORATIVE PLANTS.

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CHRISTMAS FLOWERING AND DECORATIVE PLANTS.

W. A. Riggs, Amherst, Mass.
For page see List of Advertisers.

CHRISTMAS FLOWERING AND DECORATIVE PLANTS.

Ernest Oeschlin, River Forest, Ill.
For page see List of Advertisers.

CHRISTMAS FLOWERS AND GREENS.

Chicago Flower Growers' Association,
Chicago, Ill.
For page see List of Advertisers.

CHRISTMAS FLOWER DELIVERIES.

Gude Bros. Co., Washington, D. C.
For page see List of Advertisers.

CHRISTMAS FLOWER DELIVERIES.

Thos. F. Galvin, Boston and New York
For page see List of Advertisers.

CHRISTMAS GREENS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

CHRISTMAS PLANTS.

Wm. W. Edgar Co., Waverly, Mass.
For page see List of Advertisers.

CHRISTMAS PLANTS—CRAIG QUALITY STOCK.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

CHRISTMAS PLANTS—FERNS, ETC.

Frank Oeschlin, Chicago, Ill.
For page see List of Advertisers.

Flower Market Reports

(Continued from page 857)

ers of all varieties with the one exception of violets, and to cause the growers to complain at prevailing prices. The natural result was that considerable stock was turned over to the street vendors for that was the only outlet, with a limited demand from other sources. For the past few weeks the shipping to the southern cities has been very satisfactory and this has been of such volume as to prove quite a factor in this market. Prices are still below what would be termed normal for this time of the year but during the past week they have varied considerably. Taking for instance carnations, the prevailing wholesale price averaged about \$2 per hundred yet the vendors were offering them on the streets at retail at 25 cents per dozen. Of course, there was a considerable difference in qualities but the general public is not sufficiently educated to be able to tell whether or not

COMPLIMENTS.

W. A. Manda, Inc., South Orange, N. J.
For page see List of Advertisers.

CUT FLOWERS FOR CHRISTMAS.

Berger Bros., Philadelphia, Pa.
For page see List of Advertisers.

DECORATIVE PLANTS FOR THE HOLIDAYS.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

FLOWERS FOR CHRISTMAS.

The Leo Niessen Co., Philadelphia, Pa.
For page see List of Advertisers.

FORCING CHICKORY, ASPARAGUS AND RHUBARB ROOTS.

Warren Shinn, Woodbury, N. J.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION.

John C. Moninger Co., Chicago, Ill.
For page see List of Advertisers.

HAND-MADE GREENHOUSE GLASS.

Johnston Brokerage Co., Pittsburgh, Pa.
For page see List of Advertisers.

HOLLY.

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

HOHMANN'S FAMOUS LILY OF THE VALLEY PIPS.

Chas. Schwake & Co., Inc., New York City.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

NOVELTIES IN FLOWERS AND VEGETABLES.

Carter's Tested Seeds, Inc., Boston, Mass.
For page see List of Advertisers.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
For page see List of Advertisers.

PLANT POTS AND PEDESTALS.

Jones, McDuffee & Stratton Co., Boston, Mass.
For page see List of Advertisers.

SEEDS THAT GROW.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

they are perfectly fresh, or to judge the stock on the streets with that at advanced prices shown in the stores. There has been a slightly better demand for American Beauties. Other roses are plentiful with little change in previous quotations. A better sale is reported of novelty stock, this due to a number of fine decorations had during the week. Gardenias are selling at from \$1 to \$2 per dozen, although meeting with little demand, and the same applies to orchids offered at 40 to 60 cents each. There is a plentiful supply of narcissus which finds its greatest sale in the public markets; sweet peas are in good supply and quality excellent. A continuance of the present warm weather is bound to put a severe crimp in the violet market for the Christmas trade. The demand is almost entirely for singles which up to this time have been in very limited supply. The Rhinebeck variety, in the opinion of a majority of local retailers, is not nearly so satisfactory as the single.



A Magnificent Volume on Horticulture

Originally published at \$2.50 **\$1.50**

KIRKEGAARD'S
"Trees, Shrubs, Vines and Herbaceous Perennials": a book which bids fair to become a classic in its field.

With its 410 pages packed full of garden lore, its 60 beautiful full-page sepia photos and its comprehensive planting list it is a genuine contribution to the literature of Horticulture. An

Ideal Xmas Gift

The edition is almost exhausted. We've picked up a limited quantity which we can let our readers have for \$1.50. Send cheque or money order; we'll forward the book postpaid.

Money Back Guarantee

Horticulture

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THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription. \$1.00 per year
Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

NEW CORPORATIONS.

Odessa, N. Y.—Elmer Sherwood Nursery Co., capital stock, \$40,000. Incorporators, Elmer and M. V. Sherwood and Chas. B. Swartwood.

Chicago, Ill.—Bowmanville Nurseries, 2406 Lawrence avenue, capital stock, \$2,500. Incorporators, Charles H. and Henry Brennan, Peter W. Flood and J. R. Williams.

NOTABLE INCREASE OF INSECT REMEDIES.

There has been a notable increase in the number and quantity of insecticidal and fungicidal preparations on the market, according to the annual report of the U. S. Department of Agriculture's Insecticide and Fungicide Board. However, there also seems a more general desire on the part of the manufacturers to comply with the provisions of the law, and the Department has made every endeavor to assist manufacturers in this respect by furnishing them scientific information. For this purpose the board has been issuing a monthly publication since last February in which are printed extracts from letters written to individuals by the board. These opinions, it is considered, should be of service to others and aid the public in a better understanding of the law's requirements.

A general outline of the procedure of the board is given in the new report. Besides the administrative work necessary to enforce the act, there are examinations of the various preparations, and tests to determine their strength and efficacy. Materials and proprietary preparations used for agricultural spraying purposes are examined, as are products used to rid the household, garden, etc., of insects of all kinds, disinfectants, germicides, etc., which are claimed to be efficacious to kill or combat bacteria, preparations used on horses, cattle, sheep, swine or goats, as well as on fowls and other domesticated animals. Besides testing an insecticide or fungicide to determine its power to kill insects, tests are also made to determine whether the preparation will injure the vegetation on which it is sprayed.

One duty of the board is to keep imported adulterated and misbranded preparations from entering the country. Of 147 official and unofficial samples received during the year from abroad, it was recommended that 62 be denied entry until they should conform to the law.

Holyoke, Mass.—G. H. Sinclair, whose new greenhouse was illustrated in the last issue of *HORTICULTURE*, has put in, in addition to 15,000 carnation plants, ten 175 ft. rows of sweet peas; also about 10,000 lettuce as an experiment, which he expects to cut in January.

Cocoon Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS

LEMON OIL CO'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910 Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package



Unequaled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

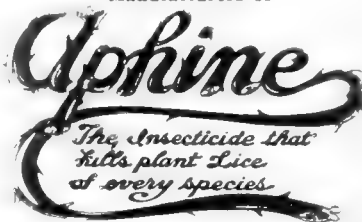
Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.

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The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

"40% NICOTINE"

A free nicotine, 40% strength, for spraying and vaporizing.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

MADISON, N. J.

GEO. A. BURNSTON
President

M. C. EBEL
Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.

Sacks, at:
\$1.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

FERTILENE

The Ideal Plant Food.

Unequaled for Producing Lusty Chrysanthemums

Samples of 11 ounces, prepaid by mail, 15c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by ELMER D. SMITH & CO., Adrian, Mich.

When writing to advertisers kindly mention *HORTICULTURE*.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating
ASK YOUR DEALER FOR IT.
NICOTINE MFG. CO. ST. LOUIS, MO.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
LONG ISLAND CITY, N. Y.**MAXIMUM LIGHT IN THE GREEN-
HOUSE.**

The intensity of the sun's rays is greatly modified by the angle at which they strike glass as well as by the thickness and character of the glass itself. It has been proven that about 12 per cent. of the light rays are intercepted. As the amount lost by reflection depends upon the angle at which the rays strike the glass, the careful adjustment of the angle of the roof should be studied.

When rays of light fall upon sheet glass at a right angle, they pass through without being turned from their course and there is no loss save the 12 per cent. absorption. When they meet the glass at an oblique angle, a portion of the rays are reflected and the intensity lessened. The following table shows the amount lost by reflection at the different roof angles:

Angle of ray.... 60°	Light lost.... 2.7%
" " " " 50°	" " " " 3.4%
" " " " 45°	" " " " 4.5%
" " " " 40°	" " " " 5.7%
" " " " 30°	" " " " 11.2%
" " " " 25°	" " " " 16.0%
" " " " 20°	" " " " 22.2%
" " " " 15°	" " " " 30.0%
" " " " 10°	" " " " 41.2%
" " " " 5°	" " " " 54.3%

During the short winter days, when the sun is above the horizon less than 10 hours, as many rays as possible should be trapped, especially before 10 A. M. and after 2 P. M. At the winter solstice the sun rises about 25 degrees above the horizon at noon and the slope of the roof should be such that the amount of light reflected should be the best possible. When the pitch of the roof brings the glass at an angle of 20 degrees, the sun at 5 degrees above the horizon will strike it at a 25 degree angle, and 16 per cent. of the rays will be reflected, in addition to the 12 per cent. absorbed by the glass. Had the roof been given a pitch of 30 degrees, the sun at 5 degrees above the horizon would strike the roof at an angle of 40 degrees, but 5.7 per cent. of the rays would be lost, or only one-third as many as were reflected at a slope of 20 degrees. Other practical things must be considered in determining the angle of the roof. Increasing the angle also increases the height of the ridge and consequently the area to be heated. The south roof is usually at an angle of 30 to 35 degrees.

**COKE FOR GREENHOUSE HEAT-
ING.**

Editor HORTICULTURE:

Dear Sir: I write you to find out about coke for greenhouse heating. Is it any good for heating where you don't have a night fireman? Is it any good to keep up steam? I have one steam boiler and one hot water, but don't have any night man. If you can tell me anything about it I

DREER'S "Riverton Special" Plant Tub

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$18.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

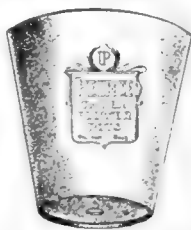
**11000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1 1/2 in. @ \$8.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/2 " " 5.25	320 5 " " 4.61
1500 2 3/4 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Reiker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY — Long Distance and Trade Export



The best **PAPER POT** for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

would be pleased to know how it would work. yours truly,

Conn. W. H. W.
We would not advise the use of coke under the conditions as given. Anthracite coal is your safest fuel. Coke requires much more frequent attention than coal and without a night man to attend to it, would not be reliable. We know that among the greenhouse people around London, England, coke is used almost universally, but they have a much milder climate there than we have in this section of the United States.—Ed.

**GREENHOUSES BUILDING OR
CONTEMPLATED.**

Calla, O.—A. B. Sigile, rebuilding.
Ashton, Ill.—Oscar Schade, house 24 x 100.
Webster, N. Y.—Mr. Mossgraber, house 21 x 75.
Darien, Ct.—Stephen Mather, Gracie street, one house.
South Milford, N. H.—A. J. Carleton & Son, house 20x100.
Wrentham, Mass.—Earl Metcalf, South street house 20 x 60.
Bridgeport, Ct.—Park Gardens and Flower Shop, house 11 x 180.
Lowell, Mass. John S. Haynes Estate, 1328 Gorham street, house 31 x 79.
Anamosa, Ia.—Bagley Floral Co., Garnaville and Webster streets, one house.

KING

The name that assures "the most for the money" in

GREENHOUSES

Write for Bulletin No. 47 and you will see why.

KING CONSTRUCTION CO.
28 King's Road, N. Tonawanda, N. Y.

SPRING IS COMING!

and when it does come there will be a whole lot of folks wishing they had installed

Skinner Irrigation

for the economical and proper watering of all growing crops, flowers or lawn.

SAVE MONEY BY DOING IT NOW

GEO. N. BARRIE
BROOKLINE, - - MASS.

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**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

HIGH-GRADE**Hand-made Greenhouse Glass**

We are the largest distributors of Hand-made Greenhouse Glass in the United States.

Factories located Pennsylvania, West Virginia, Ohio, Indiana.

Careful selection and packing. Uniform quality guaranteed.
Shipping facilities unequalled.

Our specialty: **QUALITY** and **SERVICE**.

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PHILADELPHIA

Franklin Bank Building

GLASS**Greenhouse Material
Hot Bed Sashes**

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHESKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.



"It means Money to your pocket to let us quote you on Ventilating apparatus and Greenhouse fittings. Send for catalogue today."

ADVANCE CO.
Richmond, - Ind.

SECOND HAND PIPE

Guaranteed capable of pressures necessary for irrigation. Newly threaded and coupled.

**Special LOW PRICES for
WINTER DELIVERY**

Largest dealers in all sizes of Second Hand Storage and Pressure Tanks, Boilers, etc.

We are Agents for
THE SKINNER SYSTEM

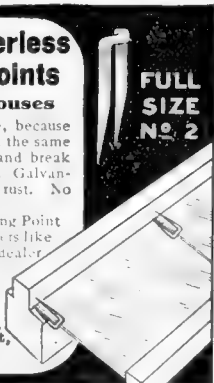
THE PERRY, BUXTON, DOANE CO.
200 West First St., So. Boston, Mass.

**Dreer's Peerless
Glazing Points
For Greenhouses**

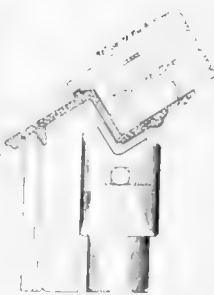
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

**FULL
SIZE
No. 2**



**IF YOU ONLY
KNEW** what a good save the **METROPOLITAN PATENTED** is, you would use no other. It is made of cast iron and will not rust. That part of your greenhouse which in other constructions is the weakest becomes the strongest. Not this alone, it is ice-clearing and carries all the water of condensation from the inside, and it is so constructed that almost the entire end of the bar is exposed to the air, thereby preventing decay. Only one screw, about two inches from the end, is all that is necessary to secure the bars. For side stationary glass, wood headers are absolutely unnecessary, thereby causing no shade. Zinc glass stops are not necessary—the glue is made with a lug to prevent the glass from slipping. Let your next house be built with a Metropolitan Patented Iron Wall Construction. You will never regret it. Our price and service are right.



METROPOLITAN MATERIAL CO.
Patented Greenhouses—Heating Engineers
Hotbed Sash, Glass, etc.
1392-1414 Metropolitan Ave., BROOKLYN, N. Y.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 39,000,000 sq. ft. of glass
For particulars address
John G. Esler, Sec'y Saddle River, N.J.

When writing to advertisers kindly mention **HORTICULTURE**.



CHART 8" DIAMETER,
Price \$20.00

Daily, No. 3,
-20° to +120°
Weekly, No. 2,
-20° to +120°

Supply of charts,
specially pre-
pared record-
ing ink fur-
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each instru-
ment.

TELL TALE

That's Just What It Is

The picture tells the story about the machine and the machine will faithfully tell the story about what has been going on while you were sleeping. So you don't have to

WORRY

about the temperature of your house, for you have a check upon your night man by using the Standard Recording Thermometer No. 200.

STANDARD THERMO CO.

65 Shirley St., Boston, Mass.

NOW

SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

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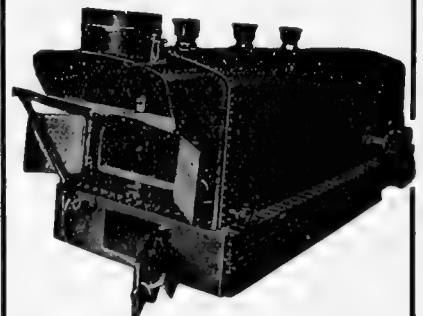
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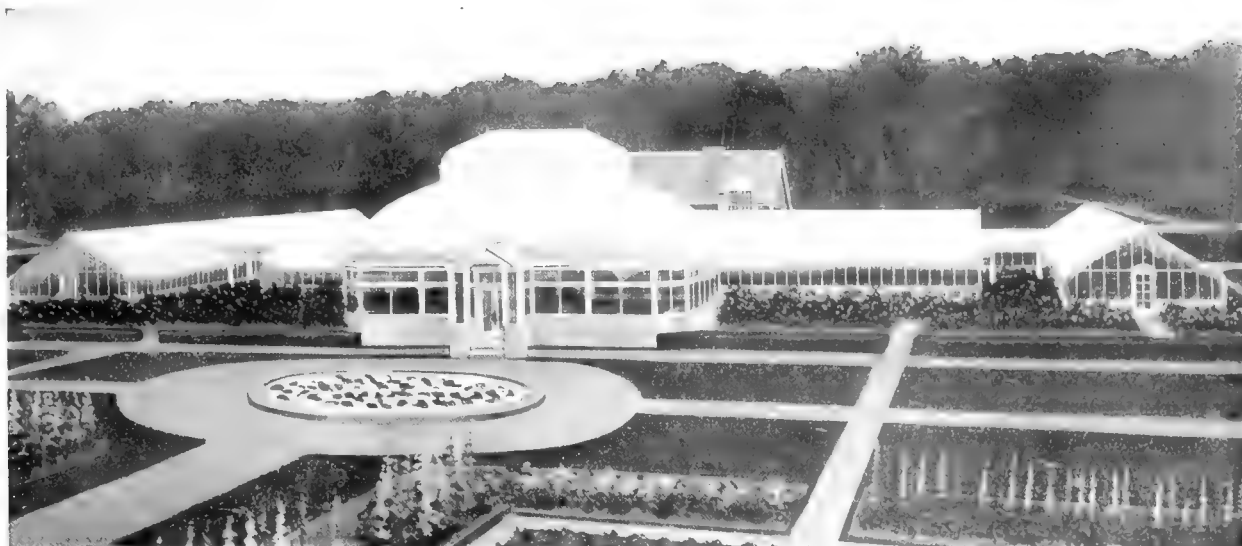
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49 Federal Street

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40 S. 15th Street

Vol. XX
No. 25
DEC. 19
1914

HORTICULTURE



View in Store of Penn The Florist, Boston

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LIST OF ADVERTISERS

Page	Page	Page	Page	Page	Page
Advance Co.....899	Conine, F. E. Nursery Co.....878	& Son884	Loechner & Co..871	Pleron, F. R. Co.....885	Smith & Co., E. D.....897
Albany Cut Flower Ex.....890	Cowee, W. J.....888	Grey, Thos. J. & Co.....883	McCarthy, N. F. & Co.....888	Pleron U-Bar Co.....900	Smith & Homen- way Co.....890
Allen, J. K.....890	Craig, Robt. Co.878	Gude Bros. Co..886	McConnell, Alex.884	Plantlife Co. ....897	Smyth, Wm. J..885
Anderson, S. A..885	Critchell, C. E..888	Guttman & Ray- nor .....887	McHutchison & Co.....878	Plant Food Co., 20th Century..897	Smith, W. & T. Nursery Co. ....878
Aphine Mfg. Co.897	Crowl Fern Co..891	Haendler, M. P..878	McManus, Jas..890	Poehlmann Bros.888	Standard Thermo Co.....899
Aschmann, G....872	Dards .....884	Hall Association.899	Myer .....884	Pulverized Ma- nure Co. ....897	Stumpp, G. E. M.884
Asmus, Geo.....886	Davenport, A. M.872	Hart, Geo. B.886-890	Meyer, John C. Co. ....887	Quaker City Ma- chine Co. ....898	Stumpp & Wal- ter Co. ....897
Ayres Co., S. Bryson .....883	Dorner, F. & Sons Co.....872	Henderson, A. & Co.....883	Meyer, Chas. F..871	Randall's Flower Shop .....884	Thorburn, J. M. & Co. ....879-883
Badgley, Riedel & Meyer .....890	Dreer, H. A.... 870-879-898-899	Hess & Swoboda.885	Mitchell's Seed House .....880-882	Reed & Keller..890	Traendly & Schenck .....890
Barrie, Geo. N..898	Dunlop, John H.885	Hews, A. H. & Co.....898	Michigan Cut Flower Ex.....888	Reld, Edw. ....888	Trepel, C. C.....879
Barrows & Son..872	Dysart, R.....891	Hillinger Bros..898	Millang, Chas..890	Reuter's .....885	Valentine, J. A..884
Bayersdorfer, H. & Co.....886-890	Edwards Folding Box Co.....888	Hill, E. G. Co..888	Moore, Hentz & Nash .....890	Rice, M. Co.....885	Vick's, James Sons .....883
Bay State Nur- series .....878	Elliot Auction Co. ....878	Holland Nurser- ies .....878	Murray, Samuel.884	Rochrs, J. Co..878	Vincent, R. Jr. & Sons Co.....871
Hobbink & At- kins .....878	Ernest, W. H..898	Holm & Olson..884	National Nursery- man .....878	Roland, Thomas.872	Waban Rose Con- servatories .....872
Boddington, A. T.....887	Esler, J. G.....899	Irwin, R. J.....882	Natural Guarano Co.....896	Rolker, A. & Sons .....871-898	Wants, For Sale.896
Bolghino & Son, J.....882	Eyres .....885	Jacobs, S. & Sons .....899	Nicotine Mfg. Co.897	Rosery, The .....884	Ward, R. M. & Co.....872
Boston Florist Letter Co.....888	Farmers and Florists Fertil- izer Co.....897	Jones, M. D.....878	Niessen, Leo Co.888	Riggs, W. A.....879	Warendorff, A..884
Breck, J. & Sons.883	Farquhar, R. & J. & Co.....880	Kasting, W. F. Co.....888	Oechslein, Ernest.872	Schiller Bros....883	Weber, F. C.....885
Breitmeyer's, J. Sons .....884	Felthousen, J. E.878	Keller, J. M. Co.872	Old Town Nar- series .....878	Schiller .....886	Welch Bros. ....888
Bryan, Alonzo J..872	Fisher, Peter...872	Kelway & Son..882	Quwerkerk, P...878	Selling, Max....885	Whittier & Co., W. R. ....878
Bunyard, A. T..884	Foley Mfg. Co..899	Kentucky Tobac- co Product Co.897	Palmer, W. J. & Son .....884	Schwake, Chas. & Co.....871	Wood Bros. ....872
Burnett Bros....883	Ford, M. C..853-890	Kervan Co.....890	Park Floral Co..884	Steban, W. F..890	Woodruff, S. D. & Sons .....883
Burpee, W. A. & Co.....883	Ford, W. P....890	King Construc- tion Co.....898	Perchelsky Bros.899	Sharp, Partridge & Co.....890	Woodrow & Mir- letos .....888
California Seed Growers' Assn..883	Fottler, Fiske, Rawson Co.....883	Komada Bros..890	Peirce, E. Allan.898	Siebrecht, Geo. Co.....890	Young, A. I. ....890
Carter's Tested Seeds, Inc.....882	Frankingham Nurseries .....878	Kramer, F. H..885	Penn the Florist.885	Siggers & Sig- gers .....898	Young, John ....890
Childs, John Lewis .....882	Francis, D. H..890	Kroeschell Bros.899	Pennock-Meehan Co.....889	Skidelsky, S. S. & Co.....882	Young & Nugent.884
Clarke's, D. Sons .....884	Galvin, Thos. J..885	Kuebler, W. H.890	Perry, Ruxton, Doane Co.....899	Smith & Groot. 883	Zinn, J. A. ....885
	Gasser Co., J. M.885	Lager & Hurrell.872	Pierre, F. O.....890	Smith, J. H. & Sons885	Zwick, A. F. 883
	Graham, Adam	Lemon Oil Co..897	Pleron, A.872	Smith, P. J.890	
		Leonard Seed Co.883			

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HORTICULTURE**

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil." *Expo.*

Pelargoniums

Plants that have been rested up will very soon be showing signs of new growth. The best time to repot pelargoniums is when they have made about an inch of new growth. It is always better to shake out all the old soil as this will give the roots a chance to have all new food to work into. Give them a compost of turfy soil three parts, well decayed manure one part and some sand. Give each pot plenty of good drainage and pot firm. Keep rather close for a week or ten days and keep the tops syringed twice a day. When they show signs of taking hold of the compost they should be given plenty of light and ventilation. They should have a night temperature of about 48 to 50 degrees.

Lilies for Easter

Lilies for Easter should have immediate attention. Bring in those potted up first. Those that are showing just through the ground will be all right at about 50 degrees during the night. Never place them in too much heat at the start, as this is better later in the season when they have made some growth. In about two weeks give about 5 degrees of a rise and so on until they are in a night temperature of about 65 degrees. Careful watering will count from this out. They should always be allowed to come to the point of dryness before watering. Keep the lilies clean by fumigation at least every ten days.

Propagating Lorraine and Cincinnati

Those who wish to propagate their own stock should begin at once. Of more importance than anything else is an even temperature of about 78 to 80 degrees of bottom heat and clean rather sharp sand. Use clean, healthy leaves, the stems of which are inserted into the sand. With such bottom heat, watering must be properly attended to, so as to keep the sand in a moist state at all times. Select only the firmest and best ripened leaves. The younger and softer ones will be likely to rot. Do not allow the leaves to touch the sand. Do not try daily waterings, as in the case of many other cuttings, or you will lose a large part of the leaves by rot. A little sun will not harm and will help to dry up the bench, but avoid bright sunshine until after the leaves are well rooted.

Propagating Carnations

Carnation propagating usually commences with most growers about December 1st and continues up to well into April. Cuttings taken any time between December 1st and April 1st will make splendid stock, though the last batches may lack somewhat in size. Have the cutting bench in good shape. Clean sand in a clean bench and the bench in a clean house—that and clean cuttings mean the foundation of getting results. Clean out every crack and corner and apply a dose of boiling hot water all over it. This is a splendid purifier, splendid alike for the latest design of a tile bench and the old wooden affair of the man with moderate means. A carnation cutting wants to root quickly. If it remains in the sand for any length of time without root formation you can look forward to a sickly plant. When taking off cuttings try to select a uniform size and be sure they are well matured. If you are short on certain varieties pinch out the flower stems of the blooming plants. Don't allow them to bloom and they will produce cuttings instead.

Sowing Primulas

To have strong fine primulas for the holiday trade next year they should be sown within the next two weeks. Do not get cheap strains, but get the best as they are cheaper in the end. When preparing flats or pans see that they have lots of drainage of crocks, on which place some rough material and then a compost of loam and leaf mold in equal parts and enough of sand to make it porous till to within half an inch of the top, and when they have drained sow the seed but not too thickly. Cover lightly with sifted compost and press firmly all over. Keep shaded and cover with glass until they come up when they should be exposed to full sun. It is always better to start seed in about 60 degrees at night, but when they are up well 50 to 55 will be high enough. Keep growing them on by shifts as they need it.

Panax Victoriae

This makes a fine decorative plant. They will root very well in a warm propagating bed where they can be kept moist and shaded until they have rooted. When potting them use a light compost, say fibry loam three parts, leaf mold and sand one part each. They like plenty of heat so give them at least 65 degrees at night.

Next Week:—Care of Mignonette; Easter Hydrangeas; Sowing Fern Spores; Starting Propagation; Sweet Peas; Wallflowers.

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HORTICULTURE

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CONTENTS

Page

COVER ILLUSTRATION—View in Store of Penn the Florist, Boston	
NOTES ON CULTURE OF FLORISTS' STOCK—Pelargoniums—Lilies for Easter—Propagating Lorraine and Cincinnati—Propagating Carnations—Sowing Primulas—Panax Victoria— <i>John J. M. Farrell</i>	873
ROSE GROWING UNDER GLASS—Christmas Notes—Care of Houses in General—Propagation— <i>Arthur C. Ruzicka</i>	875
CLUBS AND SOCIETIES—New York Florists' Club, Portraits.....	876
American Rose Society—Gardeners' and Florists' Club of Boston, Portrait—National Association of Gardeners.....	877
Chrysanthemum Society of America.....	879
Club and Society Notes.....	896
SEED TRADE—Low Figures on Peas—Canners Backward—Unreasoning and Unreasonable—Improved Outlook—Wholesale Seedsmen's League—Notes 880—882	
OF INTEREST TO RETAIL FLORISTS:	
Why Some Succeed and Some Do Not.....	884
Associated Retail Florists.....	885
New Flower Stores.....	897
NEWS ITEMS FROM EVERYWHERE:	
Boston, Washington, Chicago.....	886-887
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago.....	889
Cincinnati, New York, Philadelphia, St. Louis, Washington.....	891
DURING RECESS—New York Bowlers.....	896
OBITUARY—Evelyn Fuller Alward—Joseph G. Harrison.....	898
MISCELLANEOUS:	
New Corporations.....	882
Business Troubles.....	882
News Notes.....	898
Compliments of the Season.....	896
Visitors' Register.....	896
Greenhouses Building or Contemplated.....	898

Merry
Christmas
to all

Before the time rolls around for our next weekly salutation the great joyous holiday of the Christian world will have passed, so it is in order for HORTICULTURE, here and now, to extend cordial greeting and good wishes to its numerous and constantly increasing host of readers. HORTICULTURE is particularly fortunate in the character and quality of her supporters, between most of whom and the paper there exists a much

closer attachment than would be developed from any list of subscribers built up merely on ordinary lines of expediency. We are constantly reminded of the fact that the majority of our subscribers are also interested readers of HORTICULTURE's pages and we are happy in the thought of the myriad of reciprocal "wireless" kind responses which our printed Yuletide message of greeting will bring forth from every place where HORTICULTURE finds a welcome, and that means not only every portion of our own country but most parts of the civilized world. This is a time to express our gratitude for life and health and love. But of all our gifts none is so precious as that of friendship. Merry Christmas to one and all is HORTICULTURE's wish.

Good work
and good
consequences

It appears, from the records of the State and Federal inspection officials, that among the dangerous pests intercepted in plant importations of various kinds from foreign countries there have been no less than fourteen instances of brown-tail moth and two of egg masses of the gypsy moth. We are pleased to know that these undesirable stowaways were caught and sincerely trust that no other similar colonies got by the argus-eyed inspectors, for we have some considerable knowledge of the creatures and their abominable work, based on very practical experience. But we would remark right here that it gives us no small satisfaction to call attention to the aforementioned records as evidence conclusive that Massachusetts is not the only place from which the dissemination of the pests may be feared and that if they should yet be found colonized elsewhere, as is quite probable, and the source from which they came not positively known, then the blame cannot be laid at the door of New England. It is a fact beyond question that there are no nurseries in any part of the world where insect existence is so persistently combatted or the stock sent out cleaner than in the nurseries located in New England. This is one good result of the moth scare, the value of which to the buyers of nursery stock cannot be too strongly stated.

"On earth
peace, good will
toward men"

The movement which has now taken form in New York, as mentioned in our notes on the recent meetings of the New York Florists' Club and the Associated Retail Florists, for co-operative action by all the local trade interests to have certain business restrictions removed or modified has one very significant and pleasing aspect. We refer to the manifest cordiality between different departments of the trade which in the past have not always pulled together. It has long been evident to the unbiased observer that the unharmonious and sometimes almost hostile attitude of the various divisions—plant growers, flower growers, market dealers, commission men and retailers—towards each other has been a serious impediment to the proper development of the floricultural industry as a whole, and a handicap to any well-meant society effort to this end. Not only in New York but in other places do we see unmistakable signs of the breaking down of the old barriers and of a gradual tending to line up together for the common good. The possibilities in this convergent predilection, if wisely fostered, are most inspiring. The movement is akin to the society affiliations from which so much of good is confidently expected in the near future. HORTICULTURE has on every opportunity advocated the "get together" policy and will continue to encourage by all possible means every sincere effort with that object in view.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the Editor of HORTICULTURE.

Christmas Notes

A Merry Christmas! Once again the holidays have come around although it seems only yesterday that we said the very words. Time flies, life is short, and the rush of business makes the days appear shorter yet. Therefore, let us all try to cast away any ill feeling that we may possess somewhere in us for any of our fellow men, and make ourselves agreeable even to the most disagreeable persons, and we may add customers. Because one person's nature is to be grouchy, and see nothing but black in everything, is no excuse whatever for us to show these same faults, and then satisfy our conscience with the thought that there are others that are worse, or that we are not as bad as some people we know. "The voice with the smile wins" is a phrase used in advertising, and it contains more truth than we may imagine. Let us not worry about the steam boiler that is liable to blow up, or the glass that the wind is liable to break, or the coal that is delayed and may not arrive on time. There are a thousand other things we might burden our lives with if we chose to, but they will not do us any good. The things that never happen cause some people more trouble than the troubles that really come. Would you worry, sitting down in a bad fit of blues if a storm was raging and threatened to blow one of the houses down, or something of the kind? No, of course not, and neither would any other florist that was worth calling that name, for he would be too busy doing everything possible to prevent the disaster, and would therefore have no time to brood, and after it was all over he no doubt would stop and wonder how he ever got through all of it. This is true of all other troubles, and if they do come we are so busy trying to avert or amend them that we feel little of the gloom that we pictured ourselves surrounded by when we worried over this and that. There is a limit to gayeties but it pays to drop around to see your neighbors right in their greenhouses in the daytime, and perhaps at some quiet social at night. They are not trying to swindle you or get your trade by crooked means; they would not do that, and expect to remain in business long. Neither would any other florist. If in the country, do not be afraid to drop in and see the big florists, such as those on Fifth avenue in New York. They will not snub you in the least, but will be glad to stop for a chat. Of course their time is valuable, but they will not turn anyone down. It is the same all over, and any florist or gardener is glad to see you, if you are glad to see him. We find it so. Therefore let us cast away all gloom and let there be a good feeling and understanding among all of us. Christmas time, and let jealousy, etc., quickly disappear until there is no such thing. The way business is going, it will be necessary for all florists large and small to take

hold of a rope and all pull together toward the one end—better business methods, better distribution of our product, better advertising; everything must improve. But one man or several men will not do this; it will take all of us in the business together, working for the same thing, to bring it about, but it is coming. The progress made in the last few years is wonderful, compared to what things were years ago. But still more wonderful will be the improvements made in the near future. So let us all do our share, and not wait for the other fellow to start something, and then knock it down without even investigating what it really is. May it be a Merry Christmas even though Beauties will not bring \$1.50 per special, for with the improved methods we can grow more of them to the plant, so that we get about the same in the long run. And now for a note on rose growing.

Care of Houses in General

Houses that were in, or rather will be in for Christmas, will need very good care to make them come back. The weather will play an important part in this, and with clear cold weather it will be quite easy. If the wood of the plants cut off is inclined to be a little hard, frequent syringings will help soften the wood, and cause the plants to break. As soon as they are fairly well started, a mulch of manure or liquid will then help lengthen out the stems of the new growths. It would not be wise to start this too soon, for the young growths would then be likely to turn very weak, and on Beauties would be likely to run blind. Wait until they are three inches long or so, and then start the feed, using cow manure if possible. Run the house a degree or two cooler if the plants are badly cut off. This will insure a hardy growth, and that is very essential, for if the houses produce a crop for Christmas and then stop, they will not pay. Stuff along in January, February and even March will count a good deal in the profits. Clean up some of the dead leaves, tie the plants up, especially the Beauties, and they will feel just so much more like growing.

Propagation

In taking Beauty cuttings, do not make the mistake of using all blind wood for this purpose. This would not encourage the plants to become more floriferous, and besides the plants from wood of this kind are weak as a rule, when compared with those taken from selected wood that would set and bear flowers. Make sure that there are no spiders on the leaves and that they are perfectly healthy, and free from spot. Try to use wood that has nice live thorns on it, as this will root easier, and start quicker as well, after the cuttings are potted.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

In point of number of members in attendance, the character and prominence of those present, and in the diversity of horticultural and allied interests represented, the meeting of the New York Florist Club last Monday was exceptional and certainly one of the most significant gatherings ever held by the club.

The great incentive for all this was the annual election of officers and the shaping of the policy of the organization for the coming year insofar as this could be set forth in the selection of its leaders and in its attitude as expressed in various other important propositions. The principal contest, one which in the minds of many overshadowed all other questions, was for the office of president. With the exception of this and the selection of trustees there was no competition, all the candidates with the exception of one for each position having sent in their declinations to run. The presidential canvass was conducted with commendable cordiality and freedom from asperity. When the election of Mr. Bunyard was announced Mr. Hendrickson, his opponent on the ticket, promptly made a motion that the election be made unanimous and this was done. The result of the balloting was as follows: President, Harry A. Bunyard; vice-president, Robert Koehne; secretary, John Young; treasurer, W. C. Rickards; trustees, W. R. Cobb, J. H. Fieser, Emil Schloss.

After the announcement of the result of the voting by W. F. Sheridan as judge of election, President Duckham called the successful candidates to the platform and introduced each in a graceful and most pleasing manner and each responded to the call with a few words of appreciation and the promise of earnest effort in the duties of the year to come. President Bunyard declared this to be the proudest moment of his life excepting when he was being married. Secretary Young said that this was his 25th consecutive election to the office. He hoped he had a few good years left in which to give his best endeavor in the service of the club.

Max Schling presented the draft of two resolutions in harmony with previous action of the Associated Retail Florists, speaking briefly in favor of their adoption by the club and after a few minor amendments suggested by W. H. Siebrecht, Jr., the resolutions were adopted by unanimous vote. Following are the resolutions complete:

Whereas, Florists are not exempted from the provisions of Section 8a of the Labor Law, and

Whereas, On account of the perishable nature of the stock carried, it is necessary to operate on Sundays, and impracticable to give employees twenty-four hours' rest in every seven days; therefore be it

Resolved, That the New York Florists' Club introduce in the next session of the legislature a proposed addition to subdivision 2 of Section 8a of the Labor Law as follows:

"(2) Employees in nurseries and florists'



HARRY A. BUNYARD
President-elect, New York Florists' Club.

establishments, and employees engaged in the plant and flower trade." And be it further Resolved, That the President of this club appoint a committee of three to accelerate the passage of said proposed amendment, and to consult with the N. Y. & N. J. Association of Plant Growers, the N. Y. Wholesale Florists' Protective Association and the Associated Retail Florists, and to obtain their co-operation for the passage of said amendment.

Whereas, Florists are not exempted from the provisions of Section 8a of the Labor Law, and

Whereas, It is necessary for retail florists in the City of New York to operate on Sundays as well as all other days, on account of the perishable nature and growing conditions of the stock carried, and on account of Sunday orders and decorations, for churches and otherwise, which must be executed on Sundays by reason of the perishableness of the flowers and plants used therein, it is

Resolved, That the New York Florists' Club hereby appeals to the Commis-



ROBERT KOEHNE
Vice-Pres't-elect, New York Florists' Club.

sioner of Labor for his approval for the exemption of the florists of the City of New York and their employees from the operation of Section 8a of the Labor Law; and be it further

Resolved, That the New York Florists' Club hereby appeals to the Industrial Board for an order exempting florists of the City of New York and their employees from the provisions of Section 8a of the Labor Law until July 1, 1915.

On the exhibition table were large vases of the red roses, Francis Scott Key and Prince E. C. d'Arenberg, the former shown by F. R. Pierson Co., and the latter by S. J. Reuter & Son. A cultural certificate was awarded to each. Two new members were elected and three more were proposed.

After the appointment of committees on the death of D. Y. Mellis and on transportation to the Carnation Society meeting at Buffalo in January the meeting adjourned.

Harry A. Bunyard is so well known to the majority of our readers that any attempt to describe his qualifications for the high office to which he has been elected would be like trying to paint the lily. Suffice it to say that wherever Harry Bunyard is you will soon know that he is there. His enthusiasm is exhaustless as is also his industry. In all the activities of the New York Florists' Club for many years his name stands pre-eminent among the indefatigable workers. As secretary of the American Sweet Pea Society his record is well known. He has done service on the Executive Board of the S. A. F. in the past as an appointed member and will now go back to that board by virtue of his official position in the N. Y. Florists' Club under the new system of representation. We do not need to remark that he will be a "live wire" as heretofore in his dual responsibilities.

Robert Koehne, the vice-president-elect, is a retail florist of the firm of Wernz & Koehne, 61 Fifth avenue, New York city. Mr. Koehne is a tried and true and ardent member of the club, popular because of his fidelity to any duty imposed upon him and his happy personality.

John Young we need not eulogize. John Young is his own best reason for the unanimity with which for the twenty-fifth time the responsibilities and the honor of the secretaryship have been placed in his keeping. We see no reason why this same position may not be carried on his shoulders for another quarter century. We hope to be on hand at that time and join in the acclaim.

W. C. Rickards, treasurer. The ever-sunny personality of Billy Rickards is a never-failing asset whenever that irrepressible well-spring of good nature wants anything. He creditably represents one of the most highly respected seed houses in the world—Thorburn's. Between the dual honors is it any wonder that he is complacent?

As to the trustees, W. R. Cobb is an executive officer of the Lord & Burnham Company, with rare abilities not only as a business man but as an architect. J. H. Fieser represents the rank and file of the prosperous New Jersey florist growers. He

has long been a loyal member of the club and of the S. A. F. Emil Schloss represents the "allied interests." His specialty is florists' ribbons. For many years his exhibits at the various conventions and shows have been generous and effective and, as a businessman well-known and popular among the entire trade, he will prove a valuable man in the councils of the club.

AMERICAN ROSE SOCIETY.

The executive committee of the American Rose Society had a full meeting at the office of Traendly & Schenck in New York City on December 14th. Thomas Roland on behalf of the Massachusetts Horticultural Society extended an invitation to the American Rose Society to hold their annual exhibition and meeting in Boston on March 25, 26, 27 and 28th, the same being accepted. The exhibit in pots and tubs is to be made on the 25th and cut roses are to be staged on Friday the 26th. The committee to act with the Massachusetts Horticultural Society in preparing a premium list are—Louis J. Reuter, Westerly, R. I., Thomas Roland, Nahant, Mass., and Alex. Montgomery, Natick, Mass.

A special committee was appointed to solicit premiums and is composed of the following—Louis J. Reuter, Westerly, R. I.; E. Allan Peirce, Waltham, Mass.; Eber Holmes, Montrose, Mass.; S. S. Pennock, Philadelphia, Pa.; Wallace R. Pierson, Cromwell, Conn.; Frank H. Traendly, New York City, Patrick Welch, Boston, Mass.; E. G. Hill, Richmond, Ind.; August F. Poehlmann, Morton Grove, Ill.; William F. Kasting, Buffalo, N. Y.

Vice-President Pyle moved the consideration of the appointment of committees for governing Rose Test Gardens, and the following committees were appointed. The central rose garden committee are: Alex. Cumming, Jr., Cromwell, Conn., Chairman; Thomas N. Cook, Watertown, Mass., and Wallace R. Pierson, Cromwell, Conn. The committee for the Washington test gardens are—Robert Pyle, West Grove, Pa., chairman; Admiral Aaron Ward, Roslyn, N. Y., Charles F. Tansill, Washington, D. C. The committee for the Cornell test garden are—A. C. Beal, Ithaca, N. Y., John Watson, Newark, N. Y., and Rev. Dr. Mills, Syracuse, N. Y. The committee for the Hartford test gardens is John Huss, chairman, Hartford, Conn., and for the Minneapolis test gardens Theo. Wirth, Minneapolis, Minn.

Upon motion it was resolved that in recognition of the action of the Syracuse Rose Society in becoming affiliated with the American Rose Society with its over 300 members the president of the Syracuse Rose Society—Rev. Dr. E. A. Mills be chosen an honorary vice-president of the American Rose Society.

The annual bulletin has been started and the intent is to get out the best annual report that has yet been issued. The Secretary reported this work well under way.

The number of members of the American Rose Society who belong to the Society of American Florists and Ornamental Horticulturists is 104, and this number entitles the American Rose Society to appoint one of its number (its president) as a director

on the board of the S. A. F.,—Wallace R. Pierson in this case.

BENJAMIN HAMMOND, Sec'y.
Beacon, N. Y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The meeting of this club at Horticultural Hall, Dec. 15, was fairly well attended. W. R. Cobb of Lord & Burnham Co., New York, gave a stereopticon lecture on greenhouse construction that proved to be instructive and was well received.

The following were elected to office of the year 1915: Herman H. Bartsch of Waverley, president; James Methven, Readville, vice-president; William N. Craig, Brookline, secretary; Peter Fisher, Ellis, treasurer; Geo. M. Anderson, Milton Wm. J. Kennedy, Chestnut Hill, Peter M. Miller, Boston, Wm. J. Patterson, Wollaston, Andrew K. Rogers, Readville, executive committee.

A discussion on greenhouse ventilation took place after refreshments



HERMAN BARTSCH
President-elect Gardeners' and Florists' Club of Boston.

were served, headed by Wm. Downs. It promised to be lively and interesting, but was cut short on account of the lateness of the hour.

Among the exhibits were five vases of carnations from S. J. Goddard of Framingham, including White Wonder, Pink Delight, Gloriosa, Champion and Gorgeous. F. W. Fletcher showed two vases of snapdragon. A vase of white antirrhinums came from W. N. Craig. One of the best exhibits was a collection of Christmas plants from W. W. Edgar Co.

Herman Bartsch, the newly elected president of the Gardeners' and Florists' Club of Boston comes to this position of honor through the good old practical route of efficiency and integrity in business and faithful service in such duties as the organization has imposed upon him. As manager of the business of the W. W. Edgar Company at Waverley, Mass., Mr. Bartsch has made an unexcelled record not only as an intelligent and

successful plant grower, but as a business man of more than ordinary perception and push. In the club he has been a loyal member, serving with zeal on various committees and as its vice-president, and nobody who knows him will doubt that he will "make good" as its chief official.

NATIONAL ASSOCIATION OF GARDENERS.

The annual convention of the National Association of Gardeners was held in Horticultural Hall, Philadelphia, Pa., on Wednesday and Thursday, December 9th and 10th. The business meeting on Wednesday afternoon was opened by J. Otto Thilow, with an address of welcome to the visiting gardeners, following which he presented a gavel to the association, the head of which was made from a piece of wood from a Cedar of Lebanon, said to have been brought to Washington from Mt. Lebanon, the handle of wood taken from the home of Thomas Jefferson, Monticello, W. Va., the bronze caps from metal taken from the wreck of the Maine, which was sunk in Havana harbor. The gavel is the gift of George W. Hess, superintendent of the Botanic Gardens, Washington, D. C., and is to be used by the presiding officer at future meetings of the association. After the presentation, Mr. Thilow turned the meeting over to President William H. Waite. The secretary's report and those submitted by the various committees disclosed that the year about to close has been an active one in the organization. The treasurer's annual report showed a substantial bank balance to the credit of the association.

The following new officers were elected for the ensuing year: President, John W. Everitt, Glen Cove, N. Y.; vice-president, William S. Rennie, San Francisco, Cal; secretary, Martin C. Ebel, Madison, N. J.; treasurer, James Stuart, Mamaroneck, N. Y. Trustees: William Kleinheinz, Ogontz, Pa.; Peter Duff, Orange, N. J.; George W. Hess, Washington, D. C.; William Turner, Mendham, N. J.; and John Dodds, Wyncote, Pa.

W. Frank Therkindson of Philadelphia, addressed the meeting on "The Progress of Horticulture in this Country." He presented some statistics on the magnitude of the nursery and seed growing industry, his subject being devoted more to the commercial end of the growing than to the private end, but what he related proved interesting to the gardeners as it gave them an insight in commercial horticulture as it is conducted in the United States. Richard Vincent, Jr., White Marsh, Md., presented an interesting paper on "The Gardener of the Past and Future," which was well received. The illustrated lecture by Robert Pyle, West Grove, Pa., on "Roses, and Rose Gardens at Home and Abroad," proved most interesting and instructive. Some fine pictures were shown of European rose gardens, also some excellent views of rose gardens at Portland, Ore.

There were about seventy-five members present at the meeting, the severe storm of the preceding days having prevented many who intended to be at the convention from attending. At the conclusion of the business meeting, the members adjourned to the banquet hall where they were joined by

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National Nurseryman Pub. Co., Inc.

218 Livingston Building
ROCHESTER, NEW YORK

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GOLDFISH

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THE M. D. JONES CO.

71 Portland Street, **BOSTON, MASS.**

the ladies, and other friends of the allied horticultural interests. The banquet hall had been beautifully decorated by the local committee on arrangements—Messrs. Logan, Kleinheinz, Dodds and Rust—and the room presented a pretty picture as the guests entered.

After the inner man was well satisfied with the excellent menu which

was served, President Waite, introduced Mr. Thilow as toastmaster, which function Mr. Thilow performed with his usual grace. President-elect John W. Everitt, responded to the toast "The National Association of Gardeners;" Robert Craig, "Our Horticulturists;" James MacMachan, "Our Retiring President;" Wallace R. Pierston, "The American Rose Society;"

William Kleinheinz, "Chrysanthemum Society of America;" S. Mendelson Meehan, "The Nurserymen;" Richard Vincent, Jr., "Several Kinds of Compensation;" John Westcott, "The Florist;" Paul Heubner, "The Railroad Gardener;" Henry F. Michell, "Our Seedsmen;" Arthur Smith, "The Ladies;" Charles Seybold, "The Gardener's Influence in a Community;"

George C. Watson, "The Human Side of the Gardner." W. J. Collins sang some Scotch airs. Dr. P. H. Lane and Robert Craig entertained the diners with a duet which provoked much merriment.

Greetings were received from President Theodore Wirth, President-elect Patrick Welch and Secretary John Young of the Society of American Florists, Charles H. Totty, William F. Gude, J. K. M. L. Farquhar, Frank R. Pierson, William J. Stewart and J. Austin Shaw.

On Thursday forenoon the bowling tournament took place in the club rooms of the Philadelphia Florists Club, the ten high scores, for which prizes were awarded, being as follows:

John W. Everitt.....	167	191	180
John H. Dodds.....	210	148	177
Wm. Robertson.....	178	176	151
Sam'l Batchelor.....	171	154	170
Chas. W. Seybold.....	179	167	132
James Stuart.....	157	142	154
Thos. Aitchison.....	151	118	168
John F. Johnston.....	117	123	161
Joseph A. Manda.....	115	122	144
L. Ottmann.....	122	140	103

John W. Everitt won the president's prize with the highest score.

In the afternoon groups were organized for visits to the Widener, Wanamaker and Newbold estates, the Dreer nurseries at Riverton, N. J., the Andorra nurseries at Chestnut Hill and the Michell trial grounds at Andalusia, Pa.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Work of Committees.

Exhibited at Chicago, Nov. 14, by Poehlmann Bros. Co., Morton Grove, Ill. Miss Pauline Anderson, yellow, pure yellow sport of Yellow Chadwick, Jap. Inc, Com. scale 94 points. Miss Marvella French, white, pure white sport of W. H. Chadwick, Jap. Inc., Com. scale 94 points.

C. W. JOHNSON, Sec.

New York—On Thursday evening, December 17th, a complimentary dinner was given by the Wholesale Florists' Protective Association to Ward W. Smith, manager of the Association. The affair, which was a royal occasion took place at Mouquin's and Mr. Smith was given a very substantial cash present in recognition of his efficiency in the management of the affairs of the Association.

FRESH LILY-OF-THE-VALLEY PIPS

Either Berlin or Hamburg, Superior Quality, Long Roots and Strong Shoulders.

Cases of 3000 pips	\$40.00
" " 1000 "	14.00
" " 500 "	7.50

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New York

DREER'S FERNS FOR DISHES

The Best Stock We Have Ever Offered



2 1-4
inch pots

\$3.00

per 100;

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per 1000

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If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. **Cash Ready.**

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GIMBEL'S, New York City

Select Holiday Flowering Plants

AZALEAS, 60c. to \$2.00 each.
POINSETTIAS, 2 in. pans, \$1.00, 6 in. pans, 50c. Single stems, \$4 and \$6 per doz.
BEGONIAS, Glorie de la Reine, extra 50c. 4 in., 25c; 6 in., \$1.00 per doz.; 7 in., \$1.20 to \$1.50 per doz.; Gloriette, \$9 to \$12 per doz.
PRIMULA SINENSIS, \$8 per doz.
CYCLAMEN, 35c, 50c, 75c, and \$1 each.
ARAUCAIAS, 50c and 75c each.
DRACAENA MASSANGIANA, very select, \$1 each.

W. A. RIGGS,

AUBURNDALE,
MASS.

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Our pips have arrived from Germany as usual. They are in prime condition. Prices not advanced.

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BOSTON, - - - MASS.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

Low Figures on Peas.

The annual campaign of the seed pea growers among the canners of the country is under full swing and has been running on "high" for some weeks. The prices named are the lowest for several years. Such varieties as Alaska, Advancer, Admiral, Horsford Market Garden, are quoted at \$3.00, white Surprise is generally quoted at \$3.50. Notwithstanding these low prices, one or two of the habitual price cutters who always try to shade the figures made by their more reliable and responsible competitors, have seen fit to cut the present price 25c. per bushel on one or two varieties. It is more than doubtful if they write enough more business to compensate them for the loss of this 25c. and where prices are so close as this year, 25c. per bushel often represents all the profit in a transaction. According to the statements of the more conservative growers, \$3.00 is very close to cost and it is said that Alaskas will cost almost if not quite that figure. This is due to the fact that in Montana and Idaho where the bulk of the seed peas are now grown, it is necessary to pay more for Alaskas than for the other

varieties above named with the exception of Surprise. Strictly on the merits, Alaskas should be 25c. per bushel higher than the other three leading Sweet Wrinkled varieties, as the cost to the grower is estimated at 30c. per bushel more.

Canners Backward.

Notwithstanding these low prices which are so near cost, many of the canners and particularly those in Wisconsin are holding off and not buying their full requirements. Many are only contracting for about 50 per cent., while quite a number have not up to date bought a bushel of future seed and several say they will not, but will take their chance on the open market next fall. To those familiar with the situation, this is a very foolish attitude on the part of these canners. There is hardly one chance in ten that under any circumstances seed will be lower next fall than present prices on futures, while should there be a short crop there is a strong possibility of an advance of from \$1.00 to \$2.00 a bushel. Were prices on futures \$4.00 as they were two or three years ago, or even \$3.50 as last year, there might be some logic in not buying, but the mind of the average canner is a marvelously complex bit of mechanism and usually works in inverse ratio to facts. The seed growers have stated that they will not plant any great excess acreage over their sales of futures, and this decreases any possibility of lower prices after next harvest.

Perhaps a reason for the very erratic course of the canners may be found in the agitation now going on among them over the seed proposition. A large number during the past few years have considered only one factor in their purchase of seed, and that has been the price. They refuse to recognize any variations in quality and all seeds look alike to them. As a result they have bought seed of every conceivable shade of quality, the consequence being the packing of a very low grade of goods, so poor in quality that they cannot get more than about 60 per cent of cost out of them. There is a large surplus of canned peas in

the warehouses of the canners, especially in Wisconsin, where it is estimated that they are carrying at least two million cases. This has, as might be expected, a very depressing effect on values, but were these peas of good quality, all of them would doubtless go into consumption between now and next spring at a figure that would let the canner out, if without profit, at least without loss.

Unreasonable and Unreasonable.

Now for all this the regular seed growers are held responsible by a considerable number of the canners, and aided by a few so-called scientific experts, whose heads are buzzing with theories and with little or no practical knowledge of the matters they are discussing, an agitation has been going on to compel the seed grower virtually to

CHRISTMAS GREENS

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HOLLY (Loose)

HOLLY WREATHS

MISTLETOE

LYCOPODIUM (Loose)

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LYCOPODIUM WREATHS

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Bulbs At Cost—Last Call

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400 Clara Butt	at \$10.00
1000 Mixed	10.50

SINGLE EARLY RED TULIPS.

1850 Artus	6.50
6850 Belle Alliance	12.00
8000 Cardinal's Hat	7.50
1200 Couleur Cardinal	18.00
1000 Cramoie Brilliant	10.00
250 Maes	14.00
875 Pottebakker Scarlet	11.25
2100 Vermilion Brilliant	16.50

SINGLE WHITE TULIPS.

3000 Joost Von Vondel	23.00
11,000 La Reine	6.00

SINGLE PINK TULIPS.

900 Cottage Maid	7.00
400 Duc Van Thol	10.00
375 Flamingo	34.00
300 Jenny	26.00
600 Pink Beauty	32.00
880 Proserpine	23.00
2000 Boddington's Mixed	6.50

SINGLE YELLOW TULIPS.

2250 Chrysolora	8.50
520 Duc Van Thol	12.50
1200 King of Yellows	12.00
3950 Yellow Prince	8.50

SINGLE STRIPED TULIPS.

1700 Duchesse de Parma	8.50
2300 Joost Von Vondel	24.00
400 Boddington's Striped Mixed	6.50

DOUBLE RED TULIPS.

3400 Imp. Rubrorum	16.50
825 Rex Rubrorum	15.50
1600 Vuurbak	20.50

DOUBLE YELLOW TULIPS.

650 Couronne d'Or	19.25
290 Tournesol	20.00

DOUBLE PINK TULIPS.

1500 Lord Beaconsfield	18.00
6500 Murillo	10.00
525 Salvator Rose	14.00

DOUBLE WHITE TULIPS.

700 Alba Maxima	10.00
575 Boule de Neige	28.50
1900 La Candeur	10.00

MIXED TULIPS.

3000 Single Fine	5.00
3500 Double Fine	7.25
5300 Single Superfine	6.00
2500 Double Superfine	8.50

HYACINTHS

HYACINTHS, SINGLE.

25,000 Mixed, to color	26.00
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HYACINTHS, DOUBLE.

9000 Mixed, to color	27.50
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MINIATURE HYACINTHS.

100 Charles Dickens, blue	20.00
900 Charles Dickens, rose	20.00
600 King of Blues	22.00
900 Garibaldi	20.00
1800 Czar Peter	21.00
2100 Gertrude	20.00

MINIATURE HYACINTHS—Continued

2650 Gigantea	at \$20.00
1000 Grand Blanche	21.00
700 Grandeur à Merveille	20.00
700 Grand Lilas	20.00
1500 Grand Maître	21.00
1000 La Peyrouse	20.00
2000 La Grandesse	22.00
4000 L'Innocence	22.00
900 Marie	20.00
900 Mad. Van der Hoop	21.00
650 Moreno	20.00
1000 Pieneman	20.00
3500 Queen of Blues	20.00
600 Roi des Belges	20.00
1100 Schotel	22.00
1700 Yellow	25.00

FRENCH ROMAN HYACINTHS.

10,000 White, 11-12	21.00
8000 White, 12-15	27.50
18,000 White, 13-15	31.50
2500 Light Blue	20.00
2000 White Italian	21.00

NARCISSUS

NARCISSUS DOUBLE.

1200 Von Slon, Extra, 1st size	15.00
2200 Von Slon, 1st size	12.00
1400 Incomparable, fl. pl.	10.00
2300 Orange Phoenix	10.50
400 Sulphur Phoenix	10.50
4500 Boddington's Double Mixed	8.50

NARCISSUS POLYANTHUS.

250 Soleil d'Or	17.50
7250 Double Roman	8.00
100 Grand Primo	12.00
900 Staten General	12.00

SINGLE TRUMPET NARCISSUS.

150 Ard Righ	24.00
700 Empress XX	17.00
2200 Empress XXX	18.00
2500 Golden Spur X	14.00
1000 Princeps XX	9.00
1600 Victoria XX	17.00
125 Von Slon, Single	10.00
400 Xmas Trumpet Major	13.50
250 French Golden Spur	17.50
400 Trumpet Var. Mixed	8.00

4000 JONQUILS, Rugulosus

VARIOUS NARCISSI.

600 Incomparabilis Stella	7.75
800 Incomparabilis Cynosure	7.75
1700 Leedsii, Mrs. Langtry	7.00
1400 Cup Varieties Mixed	6.50

FREESIAS.

20,000 Refracta Alba, Lg. Bils.	4.50
5000 Refracta Alba, Mammoth	6.00
7300 Refracta Alba, Monsters	8.00
400 Purity, 1st size	12.00
1500 Leichtlinii	7.50

GLADIOLUS COLVILLEI.

1200 Delicatissima Superba	12.00
7000 Fairy Queen	6.00
4000 Fire King	16.75
30,000 Peach Blossom	7.00
30,000 Blushing Bride	5.00

GLADIOLUS COLVILLEI—Continued

25,000 The Bride	at \$6.00
1000 Ackermanii	7.75
1500 Queen Wilhelmina	16.00

RANUNCULUS.

200 Giant French	3.00
1500 Persian Giant	3.75
3000 Giant Turban	4.50

CROCUS.

3000 Baron Von Brunow	6.25
2000 Car. Chisholm	6.25
2000 Cloth of Gold	6.25
1000 Purpurea Grandiflora	6.25
1000 Purpurea Grand., top size ..	8.00
3000 King of Whites	6.25
400 Mad. Mina	6.25
2000 Mam. Golden Yellow X	6.00
1000 Mam. Golden Yel. M. B.	8.00
3750 Sir Walter Scott	6.25
3800 Sir Walter Scott, M. B.	8.00
1500 Blue Mixed	4.25
2500 Striped Mixed	4.25
1000 Golden Yellow Mixed	4.25

CHIONODOXA.

1000 Boissier	10.00
2000 Lucillae	7.00
2500 Gigantea	7.00

SCILLA.

3000 Sibirica, 1st size	6.75
1000 Sibirica, top size	8.00
2000 Campanulata	5.00
1500 Excelsior	6.50
1000 Heavenly Blue	6.50
1000 Rose Queen	5.75
1000 Alba	5.50
3000 Nutans Coerulea	4.50
1500 Nutans Rosa Maxima	5.75

MUSCARIA.

1500 Plumosum	5.00
1500 Monstrosum	6.00
500 Racemosum	6.50

SPANISH IRIS.

	Top. 1000	1st	1000
B. Chinoise	50.00	12.000	\$4.00
Br. Queen	30.00	15.000	4.00
Cajanus	1000	6.00	6000
Chrysolora	8000	6.00	11,000
Czar Peter	1000	4.00	
King of Bues	5500	4.00	
La Grandesse	1900	4.00	
Louise	2000	5.00	6500
Marie	1800	4.00	
Snowball	1000	6.00	7500
Humboldt	3000	4.00	
B. Superbe	3800	4.00	
Mixed	6500	5.50	9000

800 MIXED ENGLISH IRIS....

700 IRIAS, Choice Named Var.	5.50
300 STERNBERGIA Lutea	6.50
350 ALLIUM Luteum	4.00
3500 ALLIUM Neapolitanum	4.50
1000 SNOWDROPS, large double ..	9.00
1200 CAMASSIA Esclantia	3.75
1100 FRITILLARIA Imp. Mixed	10.00
400 FRITILLARIA Meleagris	
Var.	4.50
200 FRITILLARIA Meleagris	
Alba	5.50
1000 LEUCOJUM Vernum	7.00
800 LEUCOJUM Aestivum	5.00
1000 ORNITHOGALUM Umbella-	
tum	4.60

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Seedsman

guarantee the quality of the pack. In other words the seed grower must assume responsibility for the poor quality which the canner puts up. A few of these light-headed gentlemen propose to draw up a form of contract for the seed growers to accept, which as stated above, would virtually make them responsible for the quality of the goods packed. Under the present disclaimer which has been in use by the seed trade for the last quarter of a century, the seedsmen are barely able to protect themselves against unscrupulous users of seed, either in large or small quantities, and such a contract, as we have been informed the Wisconsin canners propose to force upon them, would place them completely at the mercy of any unscrupulous individual.

While of course we have no authority to speak for any of the seedsmen, we assume that the conservative, cautious growers, will refuse to accept any such contract, while a small number who are always willing to gamble with fate and perhaps have but little to lose, may take a chance. They are so eager and hungry for business that already they seem to be permitting the canner in some instances not only to dictate the conditions, but to name the prices, at which they will place their business.

Notwithstanding the present commotion and dissatisfaction existing among a considerable number of the canners we believe that the sober, common sense of the more conservative ones will prevail over the ignorance and selfishness of the more radical element and that eventually the seed grower and the canner will find a common ground of agreement.

Our readers will pardon us for giving so much space to this subject but as a considerable number are largely interested in producing seeds for the canners and particularly pea seed, we thought that a word in their defence would be timely.

Improved Outlook.

While the trade as a whole, is not as optimistic as a year ago or for several years past, they are entering the season of 1915 with a better spirit than might have been expected two or three months ago. In fact, many are very hopeful and while they have some misgivings over conditions for another year, they are not borrowing trouble so far ahead. We have referred to the prices generally ruling on canners' varieties of peas but have not seen the full line of prices from any of the leading growers up to this time. It is the general impression, however, that prices on peas will rule lower than a year ago, while beans will go higher. We have already pointed out the probability of these conditions some weeks ago, and are now very confident that our forecasts will be fully realized.

Wholesale Seedsmen's League.

The final meeting of the Wholesale Seedsmen's League was held in New York, November 22, and a general understanding as to prices for the coming season was reached. These prices with the exception of beans, which show an advance of from 50 cents to \$1.00 per bushel, do not vary greatly from the preliminary figures adopted

in October; the general average of prices not being much above those of a year ago, with the exception of beans as already stated.

Notes.

Imports at the port of New York for week ending Dec. 5, show the following values: Fertilizer, \$11,851; manure salts, \$35,119; color seed, \$4,124; grass seed, \$2,627; trees and plants, \$41,179.

Einar Knutsson, representing Hjalmar Hartmann & Co., of Copenhagen, Denmark, sailed from New York on the Christianiafjord of the Norwegian-American Line on December 12, after a very successful business trip in the United States.

The question of whether or not a druggist or other storekeeper selling boxes of assorted seeds upon an agreement or contract that the seeds sold shall be paid for at the end of the season, less certain specified discounts, and unsold seeds returned, is liable for the payment of the special tax to which commission merchants are subjected, seems to have raised doubts in the minds of those catering for such business, and a number of representatives have called at the office of the Commissioner of Internal Revenue for a ruling in the matter. According to a decision of the Supreme Court of the State of Alabama, in which the office concurs, such transactions do not involve liability as commission merchants, and it is held, therefore, that the special tax of \$20 as commission merchants is not incurred by such druggists or other storekeepers doing business under these conditions.

BUSINESS TROUBLES

Boston Frank W. Houghton, florist, has filed a petition in bankruptcy. Liabilities, \$6164; no assets.

Birmingham, Ala.—McVay Seed Co., 2018 First avenue, voluntary bankruptcy; assets, \$19,668.09, liabilities, \$16,290.49.

NEW CORPORATIONS.

Austin, Minn.—A. N. Kinsman, Inc., capital stock, \$75,000.

New Haven, Conn.—Elm City Nursery Company, capital stock increased to \$200,000.

Warwick, R. I.—The Hoxsie Nurseries, Incorporated, was granted a charter by the Secretary of State, Dec. 16. The corporation is to be located at Hoxsie in the town of Warwick and has a capital stock of \$10,000. The incorporators are Ralph M. Greenlaw, Charles E. Tilly and Edward J. Noons, all of Providence.

Rochester, Minn.—The R. Bragg Company has purchased the flower business of the E. L. Lyman Co. They will remove the store fixtures to their new store opposite St. Mary's Hospital.

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1 Gal. Can...\$10.50 ½ Gal. Can...\$5.50
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MICHELL'S NEW CROP FLOWER SEEDS

ASPARAGUS PLUMOSUS NANUS.
Greenhouse Grown, per 1000 seeds, \$3.50; \$15.50 per 5000 seeds; 10,000 seeds, \$30.00.

ASPARAGUS HATCHERI. per 500 seeds, \$3.25; \$6.00 per 1000 seeds.

VERBENA:

	Tr. Pkt.	Oz.
Mammoth Fancy Blue....	\$3.30	\$1.25
" " Pink....	.30	1.25
" " Scarlet....	.30	1.25
" " White....	.30	1.25
" " Mixed....	.30	1.60
Giant Flowered.	.50	2.50

VINCA:

Alba	.15	.60
Alba Pura	.15	.60
Rosea	.15	.60
Mixed	.15	.50

SALVIA:

Bonfire	.40	2.00
Ball of Fire	.50	2.50
Scarlet Glare	.50	4.00
Zurich	.50	4.00
Splendens	.25	1.00

SHAMROCK:

Fine Irish	.25	.75
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Also all other Seasonable Seeds and Supplies for the Florist.

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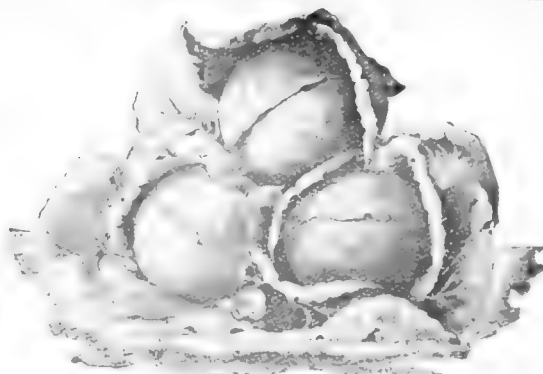
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SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



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Introduced several years ago by our firm



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Everything in this line that the Florists need.

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PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO **ONION SETS**
Write for Prices

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

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369 RIVER STREET, CHICAGO

BURNETT BROTHERS

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J. W. Edmundson, Mgr. M. W. Williams, Sec'y
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SWEET PEA SEED

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SUNNYSLOPE, INDEPENDENCE, MO

Burpee's Seeds
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
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WE are hard at work on our 1915 Seed Catalog which will contain some novel suggestions and real helps.

Send us your card. We don't want to miss you in the distribution.

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NEW IMPORTATION

GLADSTONE, white \$6 per 100

QUEEN ALEXANDRA, pink, \$7 per 100

TRITOMA

2 yr. fl'd grown, \$4 per 100; \$35 per 1000

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ROCHESTER, N. Y.

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Dey St., NEW YORK
and ORANGE, CONN.

BULBS SEEDS ROOTS

For Fall Planting or Forcing

EXHIBITION QUALITY

Best Values in Boston.

THOS. J. GREY CO.

32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1552-1553 Columbus

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dards flor

NEW YORK CITY

AND VICINITY

A. WARENDORFF

Artistic Work. Reasonable Prices
Prompt Delivery of Steamer Orders.
1193 Broadway, My Only Store

Myer NEW YORK
609-611 Madison Ave.

Choicest cut flowers and
designs for all occasions. Steamer and theatre flowers a specialty.

(Member Florists Tel. Delivery. Wire Me Your Orders)

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New York cities and
towns.

Palmer's
304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

83 PLEASANT ST., WORCESTER, MASS.

Member Florists' Telegraph Delivery Association

Of Interest to Retail Florists**WHY SOME SUCCEED AND SOME DO NOT.**

Mere hard work will not bring success. There must be behind the work a "know-how" that will make it accomplish something.

A retail florist kept himself so busy with the little things of his business that he had no time to make money. But when he analyzed his methods, himself, his business, to find the reason he wasn't making money, he found he could unload half the petty work he was doing onto the fifth salesman.

Then he began to understand that it was his business to manage, to think, to plan, to find out why things should be done, and how they could be done in the best way. He found that anybody could do the things that had to be done if he told them how. He quit using the brains, the enthusiasm, the energy of his business for the "fifth salesman's" duties. He devoted himself to the management of his business. Now he is a merchant prince, the head of a great flower business with an income several times bigger than his gross business used to be.

A young German came to this country twelve years ago at the age of eleven, with but \$3 in his pocket and not a word of English in his vocabulary. He obtained employment in a florist shop in the German quarter of a western city. Here he learned the flower business. Before he was twenty he was made manager of the store. When he was twenty-one he was appointed manager of a bigger store in a larger city. Now, at twenty-three, he is manager of the leading store in an eastern city, with thirty employees.

If you would ask him how he succeeded, he would tell you that he always made it a point to know the results of his efforts. When he went into a new store he wanted to know what stock and what methods were paying a profit and how much. And he wanted the information all the time, not merely for a few days. He demanded records that showed him whether salesman No. 1 was producing a profit. When he found out which of the clerks produced the most profit he used him as a standard for the other clerks—or their successors—to work up to.

The florist who succeeds cuts out the unprofitable methods. He knows each day the results of that day's effort. He devotes his time to planning methods for the increase of his business and hires people to work out the smaller details. He knows that anybody can do the things that have to be done if he tells them how. He manages his store with his eyes open.
S. L. F.

Augusta, Me.—George H. Curtis, manager of the Augusta Flower Shop, has bought the store and every one is wishing him success as he is a royal good fellow.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

A. T. BUNYARD

NEW YORK

413 Madison Avenue at 48th Street.

Also Newport, R. I.

We Guarantee Satisfaction

MEMBER F. T. D. A.**CLEVELAND****A. GRAHAM & SON**

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

SAMUEL MURRAY

Kansas City, Mo.

912 Grand Ave.

Member of the Florists' Telegraph Delivery.

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2730

Members Florists' Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

CHICAGO WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

THOS. F. GALVIN
INC.

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 126 Tremont Street
799 Boylston Street

Deliveries to Steamers and all Eastern Ports

M. RICE CO.

The Leading Florists'
Supply and Ribbon House

1220 Race Street, PHILADELPHIA, PA.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS
FLORISTS

NEW YORK, WASHINGTON, D. C.
1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

84 Yonge St., - - - TORONTO, ONT.

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ASSOCIATED RETAIL FLORISTS.

A number of the prominent retail florists of New York City have formed and incorporated a new association called the Associated Retail Florists, Inc. The first meeting was held at the Hotel Woodward on December 8, at which the following officers were elected: Michael A. Bowe, president; Max Schling, vice-president; George E. M. Stumpp, treasurer; William H. Siebrecht, Jr., secretary. The directors are Marshall Clarke, Max Schling, Geo. E. M. Stumpp, Michael A. Bowe and William Burns.

At the first meeting resolutions were adopted, appealing to the commissioner of labor for his approval for the exemption of the florists in the city of New York and their employees from the operation of the rest clause of the labor law, which requires them to give employees twenty-four consecutive hours' rest each week; and also appealing to the Industrial Board for an order exempting florists from the provisions of the said law.

The following resolutions showing the spirit of the Association toward other organizations, was unanimously adopted:

Whereas, It is one of the purposes of this organization to promote a more enlarged and friendly intercourse between retail florists and horticulturists generally, as set forth in the first article of the certificate of incorporation, and more fully set forth in the by-laws:

Whereas, The members of this corporation believes that the true interest of all branches of the trade, including the retail florists, the wholesale florists and the growers are identical:

Whereas, The corporation believes that whatever is for the true benefit of any one branch of the flower business will be for the benefit of all; therefore, be it

Resolved, That this corporation shall, and hereby expresses its intention to work in complete harmony with the other branches of the flower business, namely, the wholesalers and the growers; and further be it

Resolved, That no important action for the benefit of the trade generally shall be consummated until the plan thereof shall have been submitted to the other two branches of the trade, as represented by their organizations, and the results of their deliberations can be placed before this corporation.

A committee consisting of Messrs. Stumpp, Schling and Kottmiller was appointed to confer with the New York and New Jersey Association of Plant Growers, the Wholesale Florists' Protective Association and the New York Florists' Club, and to obtain their co-operation for the passage of an amendment to the section of the labor law above mentioned and to exempt florists from the operation thereof. The matter of closing hours on evenings and Sundays, steamship rates, and many other items came up for discussion and action.

This new association already has over thirty members and new applications are coming in daily.

Buffalo, N. Y.—S. A. Anderson has purchased the flower store of Rachel M. Rebstock, 614 Main street. Mrs. Johnson, formerly Rachel Rebstock, is in charge.

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists' Telegraph Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA
FLORISTS

Telephones 1501 and L 1581

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

RED FRIEZE Or Red Roping

60 yards to a piece. Ask for Prices on Quantities.

STATICE Natural, Red and Green IMMORTElLES

WRITE FOR PRICES

We have the greatest and most complete collection of Florist Supplies in this country. All of the Christmas Goods in quantity. Located within one block of all the Express Companies, and the Parcel Post is right at our door. We can fill your order at a moment's notice. Try us!

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

**1129 Arch St.,
PHILADELPHIA, PA.**

NEWS ITEMS FROM EVERYWHERE

BOSTON.

The Hadley rose still continues to be in large demand. Robt. Montgomery is shipping in some of the finest stock seen of this beautiful variety.

The Boston Cut Flower Co. report business as being very good. The sale of their 50c. boxes still holds good and is a favorable indication of the value of this plan of disposing of stock.

George Cartwright, the genial secretary of the Boston Flower Exchange is again ill with severe indigestion. It is sincerely hoped by all his many friends that Mr. Cartwright will be up and doing very soon.

Excellent specimens of *Cattleya Trianae* are being cut by Charles Rapp of Melrose Highlands. Mr. Rapp has been very successful with orchids commercially and claims to use original methods in growing them.

Pot plants are selling well all over the city. The W. W. Edgar Co. of Waverley, A. M. Davenport of Watertown, A. Leuthy of Roslindale and The Needham Conservatories are supplying the bulk of high-grade plants in the markets.

Julius Zinn is now well settled in his new store and has everything in readiness for a big holiday trade. The new location is at 4 Park street, only a short distance from the old store, which was at 1 Park street. The new store is three doors nearer the State House.

Thos. Pegler, one time president of the Gardeners' and Florists' Club of Boston is now located in Brunswick,

Me., where he is carrying on a successful retail store and range. Mr. Pegler was in town this week and commented very favorably upon business conditions in Brunswick and its opportunities for the ambitious florist.

The sale of cut flowers in the big department stores is enormous. The flower departments in Filene's, Bacon's and Shepard's report business as being very good, especially since last Saturday. Filene's have gone into the flower business in earnest, showing the good will of the firm and the permanency of the department by becoming members of the Telegraph Delivery Association.

There were about seventy-five men present at the meeting held at the American House, Dec. 12th, for the purpose of discussing the question of surplus stock and the best means of disposing of same. A spirited discussion took place, in which some very interesting information was brought out, bearing on the problems of wholesale prices. No definite conclusions were arrived at, and another meeting has been voted, to take place Jan. 11. It is expected that city officials will attend, to represent municipal and legal interests.

WASHINGTON.

C. E. Brooks has opened his branch store in the Arcade, on upper Fourteenth street, Northwest, and will continue the main store at 1527 Fourteenth street.

J. M. Rankin, of the plant introduction field station at Rockville, Md., is making a two weeks' trip in Florida, Georgia and the Carolinas, to confer with managers of commercial nurseries on the propagation, planting, cultivation and commercial handling of nursery stock.

Dr. Haven Metcalf, who is in charge of forest pathology for the bureau of plant industry, is making a month's trip through Maryland, Pennsylvania, New Jersey, New York and the New England States studying chestnut bark diseases and white pine blister rust. He will spend the Christmas holidays with relatives in Gardiner, Maine.

J. H. Small & Sons furnished the decorations for the Gridiron Club's annual banquet at the Hotel Willard. As usual, a large electric gridiron flamed brilliantly in a luxuriant frame of

American Beauty roses, while the walls were hidden by a forest of tropical plants and the tables were covered with mounds of flowers. This same firm furnished the cross of pink and white roses, six and a half feet high, for the New York delegation in the House of Representatives, and a standing wreath of white roses and American Beauty roses, of a similar height, for the House of Representatives, which were placed on either side of the casket of the late Congressman Sereno E. Payne which rested in the House chamber. They also furnished a large Roman wreath with orchids and pink roses from an individual.

CHICAGO.

A sudden drop of 40 degrees in temperature on Sunday, Dec. 13, put an end to the warm rainy weather and reduced the amount of incoming stock.

The opening of the New Morrison Hotel gave opportunity for some good local sales, though many more flowers could have been sold without causing a shortage.

Some of the boxes of flowers were not sufficiently protected to stand the zero temperature and stock was found frozen on Dec. 15. Local thermometers were registering 10 degrees below.

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822



WASHINGTON, D. C.

GUDE'S

Member Florists
Telegraph
Delivery.

HOLLY

Extra fine, well berried stock, \$3.50
and \$4.00 per case

GEORGE B. HART
Cut Flowers, Plants
Florists' Supplies

47-51 Stone Street, ROCHESTER, N. Y.

A. J. GUTTMAN, President

GUTTMAN & RAYNOR, Inc.**WHOLESALE FLORISTS
101 West 28th Street**Telephones 896
897 Madison SquareHeadquarters for the new seedling
Carnation, "Laura Weber"

New York,

December 15th, 1914.

TO WHOM IT MAY CONCERN:

We have arrived at the above address, where our facilities are now tenfold what they were at 102 West 28th Street.

There is no denying that business in general is poor. It would be unreasonable to expect normal conditions to prevail when nearly the whole of Europe is at war.

WE are not afraid! We feel that when a firm makes sincere effort to stop the leakages, that firm is bound to weather the storm and remain secure.

We assure you that no energy will be spared to obtain for you the highest market prices.

The writer fully realizes (as only one can who has been through the mill) that friendship must be continually earned.

Give us a trial. We have twenty years' experience behind us and now have the proper mental and physical tools to turn out first-class work. Your consignments will be greatly appreciated by,

Yours very truly,

GUTTMAN & RAYNOR, Inc.



President.

Merry Xmas
to the Trade

There is a large supply of holly offered here much of it is said to be rather poor, but some offered in the retail stores show up well berried and of good color. Prices range all the way from \$2.50 to \$5.00 per case.

Largely splendidly formed chrysanthemums of the Helen Frick variety were seen in quantity at The Chicago Flower Growers' Association store this week. This beautiful pink seems likely to be in the market till after the holidays.

Frank Oechslein recalls the fact that the change came later last year. He had good reason for remembering, for Christmas week he was in danger of having his place flooded by the rains, something having gone wrong with the street sewerage. The cold wave came on the night of the 23rd of December.

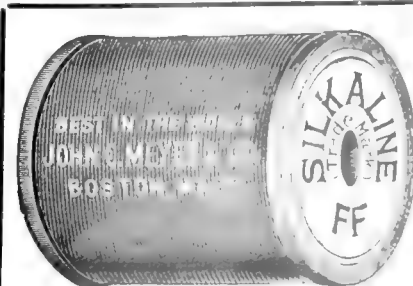
Advance orders are coming in very slowly for Christmas stock, according to the reports of several of the large wholesalers. The result is predicted to be the maintaining of prices rather than lowering, when the rush of late

orders comes, as it surely will. On the other hand, florists supplies have been ordered well in advance and a good season is reported.

Retailers generally are planning for meeting a demand for moderate priced offerings, rather than the expensive gifts of past years. With this in view, even greater preparations are being made for small artistic baskets of

plants and flowers. The basket craze seems to be at its height this year and everything from the tumbler basket to the immense hamper can be had.

The late J. Arthur Beebe of Boston, in his will which has just been made public, left the sum of \$5,000 as a bequest to James Nichol, gardener at his summer estate in Falmouth, Mass.



BE SURE that you get the **MEYER GREEN SILKALINE**, and do not take any other that is sold as an imitation of the **MEYER GREEN SILKALINE**. They do not have the full weight, measure and strength of the authentic article. All our **GREEN SILKALINE** is guaranteed up to the highest standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best manufacturers. You cannot get it of your dealers unless direct of the manufacturer.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing advertisers kindly mention HORTICULTURE.

**GARDENIAS — CATTLEYS — LILAC
PUSSY WILLOW — MIGNONETTE
CYPRIPEDIUM**

Don't forget to include these items in your Christmas order. Our supply is ample and your orders will be filled complete

THE LEO NIESSEN CO.

Wholesale Florists

BALTIMORE, WASHINGTON, PHILADELPHIA

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
In Stock.



G. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignment Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 14		CHICAGO Dec. 14		BUFFALO Dec. 14		PITTSBURG Dec. 7	
Roses								
Am. Beauty, Special.....	\$5.00	to 35.00	40.00	to 50.00	30.00	to 35.00	35.00	to 40.00
" " Fancy and Extra.....	15.00	to 20.00	30.00	to 40.00	20.00	to 25.00	20.00	to 30.00
" " No. 1.....	8.00	to 12.50	10.00	to 25.00	10.00	to 15.00	12.50	to 15.00
Killarney, Richmond, Extra.....	6.00	to 8.00	8.00	to 12.00	6.00	to 8.00	8.00	to 12.00
" " Ordinary.....	3.00	to 5.00	3.00	to 5.00	3.00	to 5.00	4.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 8.00	8.00	to 12.00	6.00	to 8.00	8.00	to 12.00
" " Ordinary.....	3.00	to 5.00	3.00	to 5.00	3.00	to 6.00	4.00	to 6.00
Maryland, Shawyer, Taft, Extra.....	6.00	to 8.00	8.00	to 12.00	6.00	to 8.00	8.00	to 10.00
" " Ordinary.....	3.00	to 5.00	3.00	to 5.00	3.00	to 6.00	4.00	to 6.00
Russell, Hadley, Ophelia.....	4.00	to 8.00	1.00	to 35.00	6.00	to 8.00	.....	.....
Carnations, Fancy.....	.....	to 3.00	3.00	to 4.00	3.00	to 4.00	.....	4.00
" " Ordinary.....	.....	to 2.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Cattleyas.....	.....	to 50.00	60.00	to 75.00	50.00	to 6.00	40.00	to 65.00
Cypridiums.....	.....	to 12.50	8.00	to 12.00	10.00	to 25.00	.....	.....
Lilies, Longiflorum.....	10.00	to 12.50	8.00	to 12.00	10.00	to 12.00	10.00	to 12.00
Lily of the Valley.....	3.00	to 5.00	3.00	to 5.00	4.00	to 5.00	3.00	to 4.00
Violets.....	.25	to 1.00	.75	to 1.50	.75	to 1.00	.....	1.00
Snapdragon.....	.....	to 2.00	.....	to 3.00	3.00	to 6.00	.....	.....
Narcissus, Paper White.....	2.00	to 3.00	2.00	to 4.00	2.00	to 3.00	.....	.....
Corn Flower.....	.....	to 1.00	.....	to 2.00	.....	to .50	.....	.....
Chrysanthemums.....	.....	to 15.00	.....	to 20.00	5.00	to 25.00	6.00	to 25.00
Stevia.....	1.00	to 2.00	1.00	to 2.00	.....	to 1.00	.....	.....
Sweet Peas.....	.75	to 1.00	1.00	to 2.00	.50	to 1.00	.....	1.50
Gardenias.....	.....	to 20.00	.....	to 25.00	30.00	to 40.00	.....	.....
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	.....	1.25
Smilax.....	.....	to 12.50	12.00	to 18.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100 & Spen. (100 bchs.)	.....	to 50.00	35.00	to 50.00	40.00	to 60.00	30.00	to 40.00
	.....	to 35.00	25.00	to 35.00	25.00	to 35.00	30.00	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELICOTT ST. - - - BUFFALO, N. Y.



Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantmen and Florists

37 and 39 West 28th St., NEW YORK

**EDWARD REID
WHOLESALE FLORIST**

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.



Christmas Beauties

(Burton Stock and Burton Quality)

Without question, we will have the largest and the choicest crop of Beauties for Christmas we have ever offered for the holidays—splendid, deep, rich colored buds, stems and foliage the very best, in any quantities, Specials, Mediums and Shorts.

	Per doz.	Per 100	Per doz.	Per 100
Specials.....	\$10.00	\$75.00	First.....	\$5.00 \$40.00
Fancy	7.50	60.00	Second.....	4.00 25.00
Extra	6.00	50.00	50 at the 100 rate.	

At these popular prices every florist in the country should take advantage of this **wonderful opportunity** to buy Christmas Beauties.

We will have a splendid variety of all Roses, as well as other flowers for the holidays.



Write for our Christmas Cut Flower List, also our Offerings in Greens

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N. W.

Flower Market Reports

BOSTON The conditions here are as changeable and fickle as the weather. Last Saturday gave promise of a boom in all kinds of flowers, but as we go to press everything is flat again. Roses, carnations, violets and narcissi sold well up to Tuesday. Cold weather has helped to shorten up all crops, and in this respect conditions are what they should be. Carnations especially are now securing fair prices running in some special cases to 6 and 8 cents. A few chrysanthemums are still holding on, but are of poor quality. Greens are plentiful and are in great demand. The same is true of pot plants, especially azaleas and poinsettias. The wholesale houses report increased shipping trade. Undoubtedly business will take another quick jump tomorrow or Saturday, and if this seasonable weather keeps up we can expect the regulation Christmas activity.

We are glad to report **BUFFALO** a better tone to the market, the cause being a shortening in receipts, especially of carnations, and as chrysanthemums are about over the sales have been gradually swinging to other stock which had been suffering since the long chrysanthemum season set in. From now on things must turn for the better as the buyers have had a long spell of their own way. Of course, business has been such that stock had to be reasonable in price to be moved. When roses are sold at 50 cents the dozen by the retail merchants on Dec.

WHOLESALE FLOWER MARKETS

TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 17	ST. LOUIS Dec. 7	PHILA. Dec. 7
Roses			
Am. Beauty, Special.....	20.00 to 30.00	25.00 to 40.00	25.00 to 30.00
" Fancy and Extra.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
" No. 1.....	5.00 to 8.00	8.00 to 10.00	10.00 to 12.00
Killarney, Richmond, Extra.....	4.00 to 5.00	6.00 to 8.00	6.00 to 8.00
" Ordinary.....	2.00 to 4.00	3.00 to 5.00	3.00 to 4.00
Hillingdon, Ward, Sunburst, Extra.....	6.00 to 8.00	8.00 to 10.00	6.00 to 8.00
" Ordinary.....	1.00 to 2.00	4.00 to 6.00	4.00 to 5.00
Maryland, Sawyer, Taft, Extra.....	2.00 to 5.00	6.00 to 8.00	6.00 to 8.00
" Ordinary.....	1.00 to 2.00	4.00 to 6.00	3.00 to 5.00
Russell, Hadley, Ophelia.....	4.00 to 15.00	8.00 to 10.00	6.00 to 12.00
Carnations, Fancy.....	3.00 to 5.00	2.00 to 3.00	3.00 to 4.00
" Ordinary.....	1.00 to 2.00	1.00 to 1.50	1.50 to 2.00
Cattleyas	35.00 to 50.00	40.00 to 50.00	..... to 50.00
Cypripediums.....	6.00 to 10.00	..... to .....	..... to 15.00
Lilies, Longiflorum.....	8.00 to 10.00	10.00 to 12.50	10.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	.75 to 1.00	.50 to 1.00	1.00 to 1.25
Snapdragon.....	3.00 to 4.00	..... to	0.00 to 10.00
Narcissus, Paper White.....	2.00 to 3.00	..... to	2.00 to 3.00
Corn Flower.....	.50 to .75	..... to .....	..... to
Chrysanthemums.....	..... to 10.00	10.00 to 20.00	8.00 to 20.00
Stevia.....	..... to 1.00	..... to .....	..... to 1.00
Sweet Peas.....	.40 to .75	.50 to 1.00	.50 to 1.50
Gardenias.....	10.00 to 25.00	..... to	8.00 to 20.00
Adiantum.....	5.00 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax.....	6.00 to 12.00	10.00 to 12.50	12.00 to 15.00
Asparagus Plumosus, Strings.....	25.00 to 40.00	35.00 to 50.00	40.00 to 50.00
" " & Spreng. 1st Pkts.....	25.00 to 50.00	20.00 to 30.00	25.00 to 50.00

12th, it plainly shows the condition of a market. Floral work has been very light and there have been no weddings, consequently there has been a heavy surplus to be carried along. Holiday decorative material has sold quite well so far though there is no special rush but what could be easily handled. The trade is well prepared for the holiday business and stores are decorated very attractively.

CHICAGO The first half of December closes with a rather quiet market. The approach of the holiday season is making itself felt and local sales are said to be very light. Social events have not

started yet and even funerals are not calling for a great number of flowers. Shipping trade is good. Those who compare sales each week with those of a year ago, say there is little difference and give the credit to the out-of-town sales. The supply of flowers has been diminished by the drop in the temperature but the change was so severe that the customers dropped off also. There are still quite a supply of chrysanthemums in the market and they bid fair to be seen till after the holidays. Roses are of an excellent quality and there is everything to choose from, Milady and Mrs. Russell

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 12 1914		First Half of Week beginning Dec. 14 1914	
American Beauty, Special	25.00	to 35.00	25.00	to 35.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 20.00
" " No. 1	4.00	to 6.00	4.00	to 8.00
Killarney, Richmond, Extra	3.00	to 4.00	3.00	to 4.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 8.00	2.00	to 6.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00
Maryland, Sawyer, Taft, Extra	3.00	to 8.00	3.00	to 8.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00
Russell, Hadley, Ophelia	6.00	to 10.00	4.00	to 10.00
Carnations, Fancy Grade	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50

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Flower Market Reports

(Continued from page 88.)

bringing the highest prices. American Beauties are none too plentiful. Orchids are also inclined to be scarce. Gardenias are in good supply and of fine quality. Carnations are improved with the cold weather, and a good supply is expected for Christmas.

It is difficult to foretell at this time what the supply will be for Christmas owing to the various changes in the weather during the last few weeks. We will undoubtedly have the usual large supply of poinsettias, paper white narcissus, stevia, violets, lily of the valley and orchids, but as to roses and carnations, then it is hard to tell. Both were in a very heavy supply until two weeks ago when a rainy, cloudy spell came that lasted until last Friday. This naturally checked the cut. Beginning with this week cold winter weather set in but the sun was shining. If the warm weather had kept up then the crop would have been over for many of the growers by the time the holidays arrived. It remains to be seen if the inclement weather sufficiently checked the cut to hold the crop over for a few weeks and with the blooms from plants not so far advanced insure a good cut of roses and carnations or if the supply will come mostly from the latter and be rather short. At the present time the cut both of roses and carnations is easily sufficient for immediate needs. Besides the list enumerated above other offerings are callas, sweet peas, a few antirrhinums, wallflower, forget-me-not and primroses. Business in supplies is very good.

The most noticeable feature of the flower market situation at the present time is perhaps the entire absence of anything that can be used as a basis for estimating the probabilities for the Christmas trade—either as to its volume, its character or the prices that any of the principal items will command. In going through the wholesale establishments this week we see a very moderate activity considering the presumed influence of the cold weather on production. We find the explanation when we look into the retail stores, for this atmosphere of lethargy is prevalent all through. The plant growers feel the effect in the same way as the cut flower people, this being their first year of a condition which the cut flower men have in recent years become well accustomed to. Most well-balanced observers are disposed, however, to anticipate an average Christmas, with the proviso that the weather is favorable in all particulars. Carnations are said to be not any too plenty but one sees an abundance of white ones in wholesale hands, and many of them not of first quality. The colored sorts are not much in evidence and the question is whether they are in hiding. Roses are generally of good quality especially some of the newer varieties and prices asked at present are very moderate. What they may reach next week is nothing more than a guess, with "the wish often father to the thought." Chrysanthemums are not yet cleaned up and some growers have apparently made a special effort to hold back a portion of their crop. Roman hya-

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 12 1914	First Half of Week beginning Dec. 14 1914
Cattleyas	15.00 to 50.00	15.00 to 50.00
Lilies, Longiflorum	7.00 to 8.00	5.00 to 7.00
Rubrum	2.00 to 4.00	2.00 to 5.00
Lily of the Valley	1.00 to 2.00	1.00 to 2.00
Violets	.35 to .50	.35 to .50
Corn Flower	5.00 to 20.00	5.00 to 20.00
Chrysanthemums	1.00 to 2.00	1.00 to 2.00
Narcissus, Paper White, Roman Hyacinths	4.00 to 8.00	4.00 to 8.00
Mignonettes	4.00 to 8.00	4.00 to 8.00
Snape dragon	1.00 to 1.00	1.00 to 1.00
Lilac (per bunch)	4.00 to 10.00	4.00 to 10.00
Sweet Peas (per 100 bunches)	5.00 to 20.00	5.00 to 20.00
Gardenias	.50 to .75	.50 to .75
Adiantum	8.00 to 10.00	8.00 to 10.00
Smilax	25.00 to 30.00	15.00 to 30.00
Asparagus Plumosus, strings (per 100)	10.00 to 20.00	10.00 to 20.00
& Spreu (100 bunches)		

cinths and paper white narcissi are in over supply. The same seems true, for the moment, of lily of the valley. Orchids in light receipts but no fuss is made on that account. Violets are good and more than sufficient in number. Cut boxwood is scarce.

There has been very little change in the market here since last report. Prices remain about the same, and no great advance is looked for until the 21st, when the Christmas demand commences. Most of the authorities consulted look for a good holiday trade. If the weather continues clear there will be plenty of flowers and the present asking figures indicate sane ideas on the part of the cut flower interests. A year ago the general comment was that the cut flower end did much better than expected—all on account of the reasonable prices. The general buyer felt that he was getting a square deal, and did not switch off so much to other things. On most of the popular cut flower items the prices will be even lower this year perhaps 20 per cent. lower than the low level of last year so that all should be well. We trust we shall hear none of the inane talk from the general press about fabulous prices which have originated mostly from inexperienced employees of retail stores, and have done much harm in the past. Proprietors should forestall this error by ordering all reporters seeking information to the main office, or to some person of discretion. Prices of cut flowers of all kinds never were so reasonable as they are today, and the reporter is exactly the fellow to pass that truth along to the public.

ST. LOUIS

The market last week was quite dull as only a limited supply came in of which the quality was not

the best. The dark weather for the last two weeks has caused these conditions and should it keep up cut stock is going to be high in prices and scarce for Christmas. Sweet peas and violets will be scarce and high in price for Christmas. Roses and carnations too will come high. Roses are off color. Paper whites, Roman hyacinths, lily of the valley, lilies and stevia will be in plenty at usual prices. Chrysanthemums are through for the season.

Ten days of rain and snow flurries have worked havoc with flowers in this market, materially shortening the supply. Business is exceptionally slow. Several growers are much concerned over the continued bad weather, stating that the American Beauty will not set buds. Pink roses and carnations are decidedly off color and gardenias fail to open. Sweet peas are quite scarce, but violets are far more plentiful and the singles are of exceptionally good quality. Mignonette is very good and in fair demand. The bottom has dropped out in the narcissus market and this flower can be had at as low as \$1 per hundred. There is practically no call for Lillium rubrum offered at \$8 per hundred. The first cutting of poinsettias has taken place. Some few very good calendulas were offered last week at \$2 and \$3 per hundred and met with a fair sale. Stevia is plentiful.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For List of Advertisers See Page 871

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For page see List of Advertisers.

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Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

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N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.

M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

W. H. Ernest, Washington, D. C.
For page see List of Advertisers.

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For page see List of Advertisers.

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For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½ in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

J. E. Felthousen, Schenectady, N. Y.
For page see List of Advertisers.

4,000 S. A. Nutt, rooted cuttings; 1,000
B. Poitevine, Ten dollars per thousand.
GEO. P. GRIDLEY, Wolfboro, N. H.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

Planting stock and bulbets—Holley,
America, Princeps, Chicago White, Niagara,
Mrs. King, Golden King, Pendleton, Peace,
Panama and all the good ones. Write for
list. **HOMER F. CHASE**, Lawrence, Mass.

Write for price list home-grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Johnston Brokerage Co., Pittsburgh, Pa.
Hand-made Greenhouse Glass.

Greenhouse glass, lowest prices. **JOHN-
STON GLASS CO.**, Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

M. D. Jones Co., Boston, Mass.
For page see List of Advertisers.

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. **FRANKLIN PARMUTT**,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.

**GREENHOUSE BUILDING MATERIAL—
Continued**

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.

Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

Pherson U-Bar Co., New York City.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.

Metropolitan Material Co., Brooklyn, N. Y.

William H. Lutton Co., Jersey City, N. J.

Hitchings & Co., New York City.

Daniel Hiffe, South Weymouth, Mass.

John C. Moninger Co., Chicago, Ill.

Lord & Burnham Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.

For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

For page see List of Advertisers.

Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.

For page see List of Advertisers.

The Kervan Co., New York.
For page see List of Advertisers.

HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Mt. Desert Nurseries, Bar Harbor, Me.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Daniel Hiffe, South Weymouth, Mass.

Lord & Burnham Co., New York City.

HELIOTROPES

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOLLY

George B. Hart, Rochester, N. Y.
For page see List of Advertisers.

HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Foley Greenhouse Construction Co.,
Chicago, Ill.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.

Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.

Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.

Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume."
For page see List of Advertisers.

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

JERUSALEM CHERRIES

Jerusalem cherries, 4 inch., pot grown,
strong plants and well berried, \$15.00 per
100. Cash. F. SOKOL, College Street,
Worcester, Mass.

KENTIAS

Joseph Heacock Co., Wyncote, Pa.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Hohmann's Famous Lily of the Valley Pips.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Lily of the Valley Pips.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

F. R. Pierson, Tarrytown, N. Y.
Cold Storage Lily of the Valley.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISTLETOE

XMAS MISLETOE—Heavily berried,
ready for shipment to reach you on or be-
fore Dec. 20, as you desire. Give me your
order at once; any quantity. J. H. LINCX,
Turin, Ga.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-FUME"

Kentucky Tobacco Product Co., Louis-
ville, Ky.
For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

NUT GROWING.

The Nut-Grower, Waycross, Ga.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.
For page see List of Advertisers.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.

PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT POTS AND PEDESTALS

Jones, McDuffee & Stratton Co., Boston,
Mass.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass.
New Rose Mrs. Moorfield Storey.
For page see List of Advertisers.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and
Flower Seeds.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Novelties in Flowers and Vegetables,
Boston, Mass., and London, England.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and
Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

For List of Advertisers See Page 871

SEEDS—Continued.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.
For page see List of Advertisers.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SNAPDRAGONS

SNAPDRAGONS — Ramsburg's Silver Pink, and Buxton's Pink for planting after 'Mums'; 2½-in. pots, \$2.50 per 100.
SUNNYSIDE GREENHOUSES, R. F. D. No. 7, Schenectady, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

SPIREAS

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

STANDARD REGISTERING THERMOMETERS

Standard Thermo Co., Boston, Mass.
For page see List of Advertisers.

STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VEGETABLE PLANTS

Warren Shinn, Woodbury, N. J.
Forcing Chickory, Asparagus and Rhubarb Roots.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

WHOLESALE FLORISTS**Baltimore**

The S. S. Pennock-Meehan Co., Franklin and St. P. Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 A St. and St. Ous St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
For page see List of Advertisers.

New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West 28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo, Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Runstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**CHRISTMAS BEAUTIES.**

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

FLOWERS BY TELEGRAPH.

A. T. Bunyard, New York City.
For page see List of Advertisers.

FRESH LILY OF THE VALLEY PIPS.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

KELWAY'S CELEBRATED ENGLISH STRAIN GARDEN SEEDS.

Kelway & Son,
Langport, Somerset, England.
For page see List of Advertisers.

LILY OF THE VALLEY PIPS—BULBS AND SEEDS.

Fottler, Fiske, Rawson Co., Boston, Mass.
For page see List of Advertisers.

MISCELLANEOUS PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

NEW CROP OF FLOWER SEEDS.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

WHOLESALE FLORISTS—NEW HEADQUARTERS.

Guttman & Raynor, Inc., New York City.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.**SITUATIONS WANTED**

SITUATION WANTED—By a seedsman, who has been to the front in many busy seasons, in which his managing and working ability has been tested in winning success; has an intimate knowledge of vegetable, farm and grass seeds; a versatile worker, developed by long experience with several seed firms, now seeks an engagement to begin early in the new year.
DENNIS KENNA, 436 Amity St., Flushing, N. Y. (Flushing is in Greater New York.)

SITUATION WANTED—Experienced man, age 47, of good habits, well recommended, wants a position in commercial establishment near Boston. Address R. H. K., care HORTICULTURE.

FOR SALE**Florists' Attention**

We have on hand ready for shipment all material necessary for the superstructure of a **MODERN IRON FRAME LUTTON GREENHOUSE**, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300, F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the LUTTON Reputation. We will send you even the **GALVANIZED NAILS, BOLTS AND SCREWS** for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FOR SALE OR LEASE.

CARNATION ESTABLISHMENT, midway between Boston and Portland, Me. Splendid centre for trade of several cities. 22,000 feet of glass fully stocked. For full particulars and terms address "N. M." care HORTICULTURE.

FOR SALE—Fresh from factory. Now: 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAE-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

Compliments of the Season

Horticulture Publishing Co:

Gentlemen — HORTICULTURE has just reached my desk, and I want to congratulate you on the appearance of this Christmas number, and to thank you for the splendid manner in which you handled our page advertisement. It is beautifully set, and in every way most satisfactory.

Very truly yours,

W. F. THERKILDSON,
Adv. Mgr., W. Atlee Burpee & Co.
Phila., Pa., Dec. 14, 1914.

Editor of HORTICULTURE:

Dear Sir: You certainly are to be congratulated on your "tenth birthday," in fact you are to be congratulated every day of your existence as the editor of HORTICULTURE.

HORTICULTURE, to my mind, occupies a unique position among our trade papers, and I believe every florist in the United States would be just a little better fitted for his business if he were a regular reader of its cultural articles and its editorials as well as the occasional "flights" of G. C. W.

Wishing you the success you deserve. I am, Respectfully yours,
ALBERT M. HERR.

Lancaster, Pa., Dec. 11, 1914.

Mr. W. J. Stewart,
11 Hamilton Place,
Boston, Mass.

Dear Mr. Stewart: I congratulate you on the completion of the ten years of HORTICULTURE. They have been ten good years and you have given good service in them. I hope that the journal will continue to keep us in touch with the horticultural interests.

Yours with best wishes,
L. H. BAILEY.

Ithaca, N. Y., Dec. 12, 1914.

COVER ILLUSTRATION.

The illustration on our cover shows a portion of the show room of the floral establishment of "Penn the Florist." It is here that patrons and flower lovers may leisurely view the floral appointments and offerings. Special exhibitions of flowers in season are held in this section. Under ordinary conditions all make-up work is done in another section of the establishment, so that only the finished products are to be seen here.

Rugs and carpets, writing tables and desks, statuary, books, magazines, etc., help to give a comfortable and refined appearance.

Patrons are always invited to make this room their resting places and rendezvous when in town. Wood carvings, mirrors on all sides, choice flowers, and containers are in perfect harmony with the other artistic furnishings that make the establishment one of the model shops of the city.

DURING RECESS.

New York Bowlers.

	1st Game	2nd Game
J. Merson	185	175
H. C. Rhodel	156	163
P. Jacobson	159	184
P. Rigo	158	197
J. Fenrich	183	161
A. Kakuda	196	158
C. W. Scott	161	157
A. J. Guttman	156	168
W. P. Ford	158	161

Pulverized Sheep Manure From Big Feeding Barns No Adulteration—No Weed Seeds



THIS IS THE BRAND
GUARANTEED PURE

Sheep's Head Manure is the cleanest in America. Here are the big covered corrals of the railroads, where the sheep are unloaded and kept from 60 to 90 days to fatten for the Chicago market.

We Guarantee

our product to be absolutely clean — no pig manure or other adulteration — nothing but sheep manure — dried and pulverized for easy handling, and all the weed seeds killed.

Some of the largest growers in the East have used our product for years.

Shipped in 100 lb. sacks

Write for quotations and freight rates

NATURAL GUANO CO.

815 River Street

Aurora, Ill.

VISITORS' REGISTER.

St. Paul, Minn.—Phil. J. Foley, Chicago; Mr. Kohlbrand, Chicago; Mr. Kindler, St. Cloud, Minn.

Buffalo—C. M. Ford, New York; E. J. Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia, Pa.; W. P. Craig, Philadelphia.

Philadelphia, Pa.—Mr. and Mrs. Hildebrecht, Harrisburg, Pa.; T. Malbrane, Johnstown, Pa.; W. F. Gude, Adolphus Gude and George H. Cooke, Washington, D. C.; G. W. Simonds, Washington, D. C.

Cincinnati—Sam Seligman of Wertheimer Bros., New York City; Julius Dillhoff of Schloss Bros., New York City; F. W. Romer, representing F. R. & P. M. Pierson, Scarborough, N. Y.; Mrs. Johnston, Middletown, Ohio.

Washington—C. Albert Small, New York; William P. Craig, Philadelphia; Edward Reid, Phila.; Roman J. Irwin, New York; J. W. Grandy, Norfolk, Va.; J. W. Gregg, Virginia Nursery Co., Inc., Purcellville, Va.; E. H. Flood, with Johnston Glass Co., Philadelphia.

Chicago—John H. Bockman, representing Chas. Schwake & Co., New York; Arthur R. Leidiger of the Edfesen-Leidiger Co., Milwaukee, Wis.; A. Schutz, Hammond, Ind.; H. Wendel, Crown Point, Ind.; S. S. Skidelsky, Philadelphia, Pa.; Edw. Amerpohl, Janesville, Wis.; A. McAdams, Melbourne, Fla.; Blain Wilcox, Council Bluffs, Ia.; Frank Gorly, St. Louis, Mo.; A. C. Brown, Springfield, Ill.

New York City—Dr. W. A. Rowlands, Utica, N. Y.; Thos. Roland, Nahant, Mass.; Wm. R. Nicholson, Fram-

ingham, Mass.; F. J. Dolansky, Lynn, Mass.; Wallace R. Pierson, Cromwell, Conn.; Benj. Hammond, Beacon, N. Y.; F. R. Pierson, Tarrytown, N. Y.; Robt. Pyle, West Grove, Pa.; S. S. Pennock, Philadelphia, Pa.; L. J. Reuter, Westerly, R. I.; W. J. Stewart, Boston; Mr. and Mrs. B. Hammond Tracy, Wenham, Mass.; P. Donohue, Boston.

CLUB AND SOCIETY NOTES.

The Lenox Horticultural Society at its meeting on Dec. 5 voted to change the time of its meeting from the first Saturday to the second Wednesday night in each month.

The Chicago Florists' Club at its meeting on Dec. 10th elected new officers as follows: W. J. Keimel, president; Jas. Morton, vice-president; Guy W. French, secretary; Paul Klingsporn, treasurer; C. L. Washburn, trustee.

Ladies' Night at the Sherman House on Dec. 11, proved a very happy occasion. About fifty couples danced in the crystal ballroom and also enjoyed a program, the central attraction of which was the new dances by Virginia Poehlmann. As she and her partner performed them, they were very pretty and enjoyed by all. Wm. Milander contributed to the occasion by giving several recitations and Edward Hunt by singing. A buffet luncheon was served. The party broke up at midnight and all declared it one of the best ever given by the club.

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Danville, Ill.—Bottorff Bros., 147 N. Vermilion street.

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CAMBRIDGE, MASS.
NEW YORK, N. Y.**Obituary****Evelyn Fuller Alward.**

Evelyn, eldest daughter of Mr. and Mrs. Joseph Fuller, of Leominster, Mass., died on December 10, aged 29 years. At the funeral, which took place on Sunday, the church was filled to the limit and there were no less than sixty floral tributes, showing what a favorite this lovable lady had been and how generally the sorrow of Mr. and Mrs. Fuller was shared in by neighbors and friends. She leaves one sister and a son of about nine years.

Joseph G. Harrison.

Joseph G. Harrison, senior member of Harrison's Nurseries, died of Bright's disease at his home in Berlin, Md., on December 12, at the age of 74 years. He leaves a widow, two brothers, three sisters and four children, Orlando Harrison, a member of the Maryland Senate; George A. Harrison, Mrs. W. B. S. Powell, of Ocean City, Md., and Mrs. George W. Purnell, of Berlin. Born in 1840 in lower Sussex county, Del., he and his family moved later to North Carolina, and there he engaged in the lumber business. He came to Berlin in 1884 and engaged in fruit growing. He was one of the pioneer orchardists of the Peninsula, and succeeded in developing the business of fruit growing to a high degree. Five years later, with his two sons, he started a small nursery, which was enlarged from year to year and now is known as Harrison Nurseries. The deceased had been in poor health for 12 years, and the active management of the business was in the hands of his sons, who will continue it.

NEWS NOTES.

Kansas City, Mo.—John R. Hanley has purchased the greenhouse property of W. I. Rush, Sr., at 2215 Jackson ave.

Joliet, Ill.—John Arter, landscape gardener, has started in the nursery business under the name of Riverside Nurseries.

Washington, Ia.—The Keck-Wolf Floral Company has changed its name to the Wolf Floral Co., the interest of E. C. Keck having been purchased by Preston Wolf.

Northampton, Mass.—A gift of \$10,000 to Smith College from Mr. and Mrs. A. J. White of Brooklyn is announced. Half of the money is to be applied toward payment for recent improvements on the Lyman plant house. The remainder will constitute a permanent endowment fund for repairs to the plant house, purchase of new materials and encouragement of botanical study.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Canistee, N. Y.—Lee Ordway, additions.

Houston, Tex.—Gulf Florists, one house.

Shelton, Wash.—Jay Needham, one house.

Caro, Mich.—A. J. Packer, range of houses.

Silver Creek, N. Y.—J. E. Gascon, one house.

Chittenango, N. Y.—A. R. Ellis, three houses.

Lancaster, Pa.—E. K. Lefevre, King house 35x100.

Logan, Utah.—Anthon Pehrson, house 20x100.

Raleigh, N. C.—J. L. O'Quinn, Swain street, one house.

Cedar Rapids, Ia.—Pollard Floral Co., range of houses.

Fort Wayne, Ind.—Geo. W. Doswell & Son, two rose houses.

Fairfield, Ia.—E. H. Montgomery, two houses each 34x110.

Wheeling, W. Va.—Albert Lash, South Warwood, addition.

Negaunee, Mich.—Frank Ashleman, Merry and Iron Sts., house 28x86.

Walla Walla, Wash.—Walla Walla Hothouse Vegetable Co., range of houses.

Gladstone, N. J.—James C. Brady, Lord & Burnham palm house and two plant houses.

Kingston, N. Y.—V. Burgevin's Sons, two houses each 45x225; one house 11x225; iron frame work room, boiler room and garage 30x150; vacuum steam heating throughout, Lord & Burnham construction.

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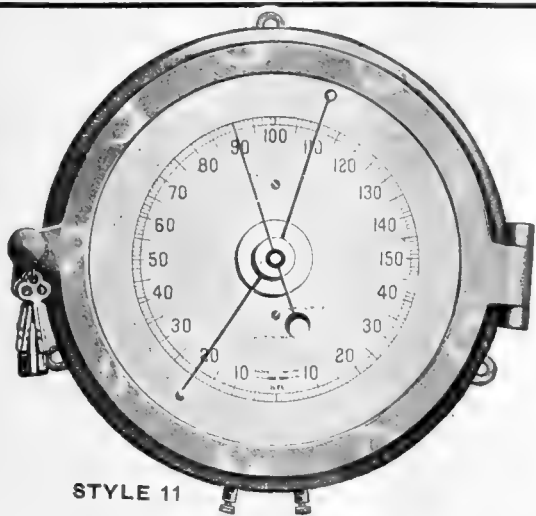
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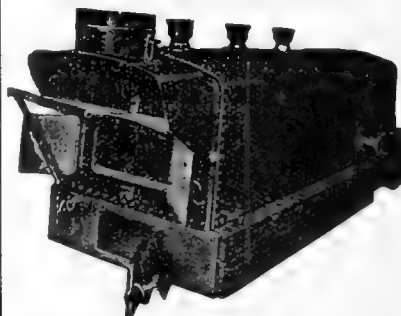
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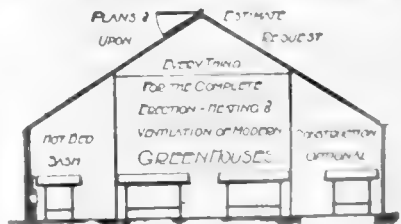
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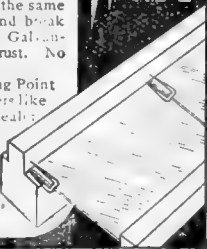
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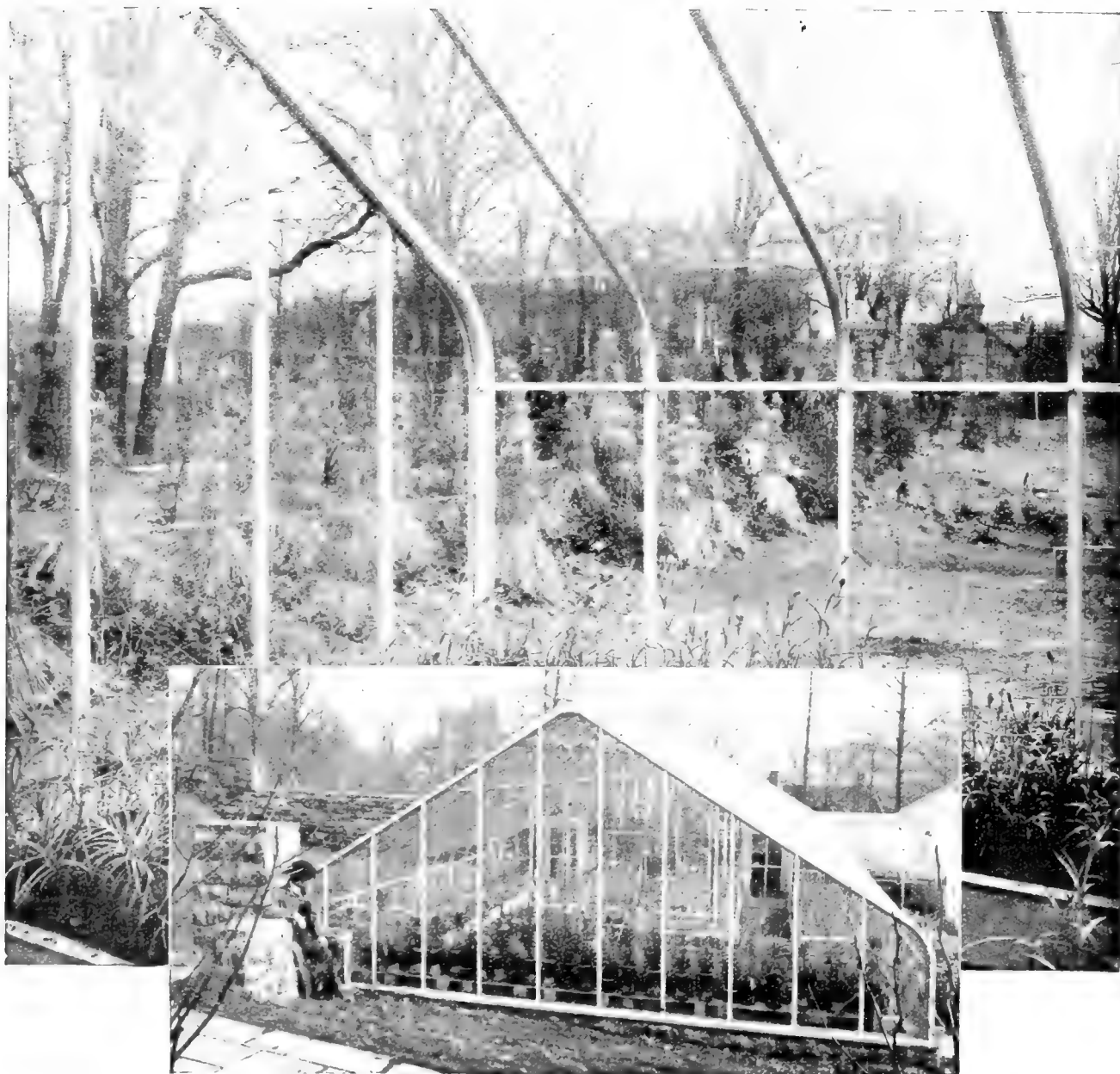
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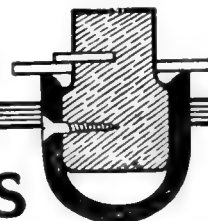
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Vol. XX
No. 26
DEC. 26
1914

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25,000 Mixed, to color	26.00
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900 Garibaldi	20.00
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LIST OF ADVERTISERS

Page	Page	Page	Page	Page	Page
Advance Co.....930	Conine, F. E.913	Grey, Thos. J. & Co.915	McConnell, Alex.916	Plant Food Co., 20th Century.....929	Smyth, Wm. J.917
Albany Cut Flower Ex.....922	Cottage Gardens Co. ....904	Gude Bros. Co. ....918	McHutchison & Co. ....913	Poehlmann Bros. ....920	Smith, W. & T. Nursery Co. ....913
Allen, J. K. ....922	Covey, W. J. ....920	Guttman & Raynor	McManus, Jas. ....922	Pharmacia, Ltd. ....929	Standard Thermo Co. ....931
Anderson, S. A. ....917	Craig, Robt. Co. ....913	Haendler, M. P. ....913	Myer, John M. ....916	Quaker City Machine Co. ....930	Stearns, A. T. Lumber Co. ....931
Apbine Mfg. Co. ....929	Critchell, C. E. ....920	Hall Association.....930	Meyer, John C. Co. ....919	Randall's Flower Shop	Stump, G. E. M. ....916
Aschmann, G. ....911	Crowl Fern Co. ....923	Hart, Geo. B. ....922	Meyer, Chas. F. ....903	Reed & Keller.....922	Stump, G. E. M. ....916
Asmus, Geo. ....918	Dards	Henderson, A. Co. ....915	Michels, Seed	Reed & Keller.....922	Stump, G. E. M. ....916
Ayres Co., S. Bryson	Davenport, A. M. ....911	Hess & Symboroff	Michigan Cut Flower Ex.....920	Rice, M. Co. ....917	Thorburn, J. M. & Co. ....911-915
Badgley, Riedel & Meyer	Dorner, F. & Sons Co. ....904	Hews, A. H. & Co. ....930	Milang, Chas. ....922	Roland, Thomas.....911	Trenclly & Schenck
Barrie, Geo. N. ....930	Dreer, H. A. ....911-930-931	Hilfinger Bros. ....920	Moore, Hentz & Co. ....922	Roland, Thomas.....911	Trepel, C. C. ....911
Barrows & Son. ....904	Dunlop, John H. ....917	Hill, E. G. Co. ....920	Murray, Samuel.....916	Schiller Bros. ....915	Valentine, J. A. ....916
Bayersdorfer, H. & Co. ....919-922	Dysart, R. ....923	Hitchings & Co. ....932	National Nurseryman	Schiller Bros. ....915	Vandenberg, R. Jr. & Sons Co. ....903
Bay State Nurseries	Edwards, Folding Box Co. ....920	Holland, Kosterles	Nicotine Mfg. Co. ....920	Schiller Bros. ....915	Wants, For Sale.....927
Bobbink & Atkins	Elliott Auction Co. ....913	Holm & Olson.....916	Nissen, Leo Co. ....920	Schiller Bros. ....915	Ward, R. M. & Sons
Boddington, A. T. ....902	Ernest, W. H. ....930	Irwin, R. J. ....915	Nissen, Leo Co. ....920	Schiller Bros. ....915	Warendorff, A. ....916
Bolzano & Son, J. ....915	Esher, J. G. ....930	Jones, M. D. ....911	Oechlin, Ernest.....904	Sharp, Partridge & Co. ....931	Ward, R. M. & Sons
Boston Florist Letter Co. ....920	Eyres	Kasting, W. F. Co. ....920	Oerwerker, P. ....913	Sharp, Partridge & Co. ....931	Whittier & Co. ....913
Breck, J. & Sons.....915	Farmer's and Florists Fertilizer Co. ....929	Keller, J. B. Sons	Palmer, W. J. & Son	Skidelsky, S. S. & Co. ....915	Woodrow & Mar-
Breitmeier's, J. Sons	Farquhar, R. & J. & Co. ....904	Keller, J. M. Co. ....904	Park Floral Co. ....916	Small, J. H. & Sons	Young, John
Bryan, Alonzo J. ....904	Felthousen, J. E. ....911	Kelway & Son	Parshelsky Bros. ....931	Smith & Co., E. ....929	Young & Nuzant
Bunyard, A. T. ....916	Fisher, Peter	Kentucky Tobacco Product Co. ....929	Peirce, E. Allan.....930	Smith & Hemen-	Zolaneck, Ant. C. ....915
Burnett Bros. ....915	Foley Mfg. Co. ....931	King Construction Co. ....922	Pennock-Floralist		
Burpee, W. A. & Co. ....915	Ford, M. C. ....922	Kramer, F. H. ....917	Pennock-Floralist		
California Seed Growers' Assn. ....915	Ford, W. P. ....922	Kraus, F. H. ....917	Perry, Buxton, Duane Co. ....931		
Carter's Tested Seeds, Inc. ....914	Froment, H. E. ....922	Kroeschell Bros. ....931	Pierson, A. N. ....904		
Childs, John Lewis	Galvin, Thos. F. ....917	Kuebler, W. H. ....922	Pierson, A. N. ....904		
Clarke's, D. Sons	Gasser Co., J. M. ....917	Lemon Oil Co. ....929	Pierson, A. N. ....904		
	Graham, Adam & Son	Leonard Seed Co.915	Pierson, A. N.904		
		Loechner & Co.903	Pierson, A. N.904		
		McCarthy, N. F. & Co.920	Pierson, A. N.904		

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the Editor of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil." / 6

Mignonette

If there is one thing that is very important in the culture of mignonette it is a fresh and bracing atmosphere. Take advantage of every good day and give ventilation to this crop, but always avoiding chilling drafts. Do not keep the house too damp during dull weather as it tends to make a very soft growth. A mulch of half manure and soil about every four weeks will be advisable but do not put it on any deeper than half an inch. Mignonette likes to be moist at the roots so look to the watering. See that they have proper supports to keep the shoots straight. They do not like heat. A temperature from 42 to 45 degrees at night and from 10 to 15 degrees higher with sun will be all right. Disbudding once a week improves the flower and stem. Keep them clean by light fumigation.

Easter Hydrangeas

It is none too early to bring in hydrangeas intended for Easter trade. They can be brought into a house that stands at about 45 degrees at night. This will just start the roots into slow action which is better at the start. Give them a place near the glass. When they show signs of top growth you can give them a temperature of about 50 degrees at night and on sunny days let it run up to 65 to 70 degrees. This increase in heat should always be done very gradually. Give them plenty of water at the roots and on all clear days give them a good syringing overhead. As they make growth give them more room.

Fern Spores

To keep up a steady supply of small ferns for the filling of fern pans one should sow spores about every five or six weeks. To bring these up to good sized seedlings requires watchfulness. One point to be remembered is to have everything very clean. All seed pans should be well cleaned, so as not to leave any germs of moss or fungus which are sure to ruin the young ferns when they begin to show. Use plenty of crocks on the bottom of the pans to insure good drainage. Some moss can be spread over the crocks to hold the compost from choking up the drainage. A good compost for this work will be equal parts of loam, leaf mold and some sand. These pans can be filled to within an inch

of the top. Over this put about half an inch of finely sifted compost, press firmly and sow the spores; press the spores in and place pans in a temperature of 65 degrees and cover with glass.

Start Propagating

To get the propagating house or bed in good condition, see that everything is made thoroughly clean, by washing down with strong force of water, all benches, walls, etc. Give the entire surface of sides and bottoms a good whitewashing of hot lime. Be sure that you have enough of bottom heat. This bottom heat can be increased by boarding in the sides all around which will throw the heat right up to the bottom of the benches. It is always better to place about an inch of coarse material on the bottom, which will secure good drainage. You can place some moss on this, and then about three or four inches of clean sharp sand. Spread all over even and press down firm. Give a thorough watering and then you will be ready to start.

Sweet Peas

Where plants are showing up well with buds, and the small fibrous roots are working to the surface a light mulch will help greatly. Mix half cow manure and soil together or when using sheep manure use double the quantity of soil. This mulching should be kept up until we run into the longer days, as the plants are unable to assimilate liquid feed when we have so much dull and dark weather. Sweet peas should always be kept moist at the roots. Do not try to force them too much as it will surely work ruin later. They flower and grow best when the temperature does not exceed 50 degrees at night, 55 on cloudy days and 65 to 70 during bright days. See that they are kept in a straight growth at all times. Give light fumigation about every ten days so they will be free from fly. On bright days give a syringing in the morning.

Wallflowers

Plants that were raised from seed sown during May or June and grown on will be fine plants by this time. Give them a good light bench in a cool house and you can get a good many flowers. The seeds I bought in 1901, in the quantity of about 48 ounces were all good. There is always a market for these fragrant flowers.

Next Week:—Care of Antirrhinums; Ferns; Rambler Roses; Propagating Fuchsia, Rose and Begonias; Propagating Lobelia.

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Horticulture

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Cattleya Hardyana var. Rutherford



Cattleyana Hardyana, one of the most beautiful of all cattleyas, is a natural hybrid between *C. Warscewiczii* or *grigas* and *C. Dowiana aurea*. It is somewhat variable but the original type has deep rose pink sepals and petals. The variety illustrated herewith has light yel-

low sepals and petals and the Julius Roehrs Company, of Rutherford, N. J., who are the fortunate possessors of this unique novelty, are very proud of it and have given it the name Rutherford. It has not yet been exhibited anywhere.

Papaver orientale

During the beautiful month of May when the incomparable radiance of the vernal glory is at its height the oriental poppies represent a conspicuous note in the floral aspect of the garden. A few warm days and the large green egg-shaped buds bursting again bring to light the intense shades of orange-scarlet, fiery red, crimson maroon and beautiful salmon pink of masses of huge flowers which for strong, near and distant effect prove invaluable. It is the brass tone of festive jubilant color fanfares in the great color symphony of our herbaceous gardens. We have seen those silky-lustrous petals time and again, but their beauty exerts its charm anew every ensuing season. In character it is fleeting—oriental, hailing from the land of the wonders of Arabian Nights, the land of gay colors in apparel and flowery language. The sudden bursting forth of glory and its

equally quick vanishing away seems the inside feature which, perhaps imperceptibly intensifies our admiration.

Oriental poppies are indispensable inmates of American gardens. Being familiar with their habit of growth we know that their weak point consists of the withering and gradually drying up of the otherwise highly ornamental foliage during midsummer. To avoid unsightly bare spots during this time it is necessary to plant something else between; gladioli, for instance, prove serviceable. In the fall the poppies form their new ground foliage, which in turn requires air and light for normal development.

The proceedings in raising oriental poppies from seed during early spring are so well known to horticulturists that I need not dwell on it. To avoid the otherwise heavy losses in the transplanting of seedlings in the open ground it is best to sow in small pots. Remove the weaker ones and after the plants have attained sufficient size set them out where they are to flower the following season.

Of the comparatively new salmon pink varieties I

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Syringing

There may be considerable cloudy weather from now on, and any chance that is offered should be taken, and the plants well syringed. This will help wonderfully to keep the houses clean and free from spider when the work is most rushing in the spring. It is then that the spiders increase in numbers so fast that it is often a hard job to control these troublesome pests. Go well into all corners, and watch all places where the hose ends meet. As suggested before in these columns, mark all places where there happens to be a nest of spider, and give these an extra syringing, and if possible a little good insecticide applied so that it will go well under the leaves. This will help clean them out, when followed by a good syringing. Be sure to give the plants a vigorous shaking right after syringing, so that they will dry off well before night. Then do not neglect the lime, dusting it freely underneath the plants.

Selection of Wood for Cuttings

This work should be done very carefully, for the plants' vigor depends largely on the stock the cutting comes from, and the kind of wood that the cutting is made of. Select clean wood, not too hard, that has nice live thorns on it. This will insure the proper state of softness, and there will be little danger of getting any wood that will be too hard to root well. It is still quite early for propagation, and growers who require only a small number of plants will do well to wait until about the first of February before starting in propagating. However, there are places where this is already well under way, and will continue for quite a while to come. Running a great many plants several seasons has done away with a good deal of this work, and there is considerable saving in this, too. Even Beauties will do well the second year if they are handled right, and this reduces the cost of production a good deal. It will not pay in the long run to use blind wood to propagate from, even though the plants are to be sold and not to be used on the place. It will not take very long for growers to find out what kind of stock is produced on the place, and once anyone feels that they were stuck, they will never send in another order to that place. We would all do the same, and that is why it will pay to use only the very best of wood for propagation. Make sure that the wood in question is free from spider, as there is nothing worse than spider on cuttings, where it will be impossible to check it for six weeks or more. Should

it be necessary to use wood that is infested, dip it in some of the insecticides advertised to kill spider, being careful not to make the solution too strong and burn the foliage. In dipping do not let the cuttings soak in the solution, as that is not only unnecessary, but dangerous as well. Push the cuttings into the pail, and stir them around, after which they can be removed, and then washed with clear water. With Killarneys, and other roses of this type it will pay to pinch a lot of the short stuff to make wood, and wood of this kind will be the very best that can be had.

Making Cuttings

This ought to be a well-known branch of rose growing, and yet there are places where the methods used could be improved a good deal. A very sharp knife is essential to the successful making of the cuttings, and the sharper it is the better. Have it so sharp that it will shave. The idea is to make a very smooth cut, free from all bruises. If a dull knife is used, the wood will bruise, as can be seen with the aid of a powerful microscope, and wood like that will be more apt to rot than to root. Cuttings should never be made with a pair of scissors, or shears, for these will bruise no matter how sharp they may be. With Beauties, we like to make only one-eye cuttings; that is, only one eye with a leaf above the sand. Cut as close as possible to the eyes without hurting them, for the cutting will root easier if the cut is made close to the eye on the bottom, than if cut a little below. Do not cut into the eyes by any means, and use a slanting cut with the eye on the longer end on the bottom and the same way on the top. If the top is not cut near the eye it will look very bad, and we find it hinders the eye from starting, and growing well after the cutting is rooted. It is not necessary to leave a whole leaf, as this would take too much space in the bench, and at the same time would be harmful to the welfare to the cuttings. With Killarney, Shawyer, Russell, and other varieties similar, leave the first two leaflets, and half of the second two, unless the first two are of fair size, and then they will suffice. With Beauties it is much the same, and it is best to give the cutting only as much foliage as is needed to keep it alive. Many growers will separate the cuttings into two or more grades, according to the hardness of the wood. This method is all right where it can be worked out, but as a rule we find no time for work like this. Instead we use a little care when putting the cuttings into the sand, pushing the harder wood a little deeper where it will get a little more bottom heat, and then we keep the softer wood nearer the surface, where the sand is a little cooler. This way we find that the cuttings will root almost evenly, and with little trouble.

mention Queen Alexandra, Mrs. Perry, Silberblick and as leader, Princess Victoria Luise, the subject of our cover illustration. Among the fiery scarlets, Goliath is the most robust growing one, producing immense large flowers on long erect and stiff stems. Trilby is bril-

liant red, Oriental King blood crimson and Mahogany a dark crimson maroon.

Richard Rothe

Glasgow, Pa.

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CONTENTS

Page

COVER ILLUSTRATION—Papaver orientale Princess Victoria Luise.	
NOTES ON CULTURE OF FLORISTS' STOCK—Mignonette—Easter Hydrangeas—Fern Spores—Start Propagating—Sweet Peas—Wallflowers <i>John J. M. Farrell</i>	905
CATLEYA HARDYANA VAR. RUTHERFORD—Illustrated	906
PAPAVER ORIENTALE— <i>Richard Rothe</i>	906
ROSE GROWING UNDER GLASS—Syringing—Selection of Wood for Cuttings—Making Cuttings— <i>Arthur C. Ruzicka</i>	907
BRITISH HORTICULTURE— <i>W. H. Adsett</i>	909
CLUBS AND SOCIETIES—Westchester and Fairfield Horticultural Society—Pacific Coast Horticultural Society—Connecticut Horticultural Society—Society of American Florists—Lancaster County Florists' Association	910
St. Louis Florist Club	911
American Rose Society—Club and Society Notes	912
Massachusetts Asparagus Growers' Association	913
DURING RECESS—New York Bowlers	912
SEED TRADE	914
OF INTEREST TO RETAIL FLORISTS:	
Florists' Telegraph Delivery—New Flower Stores	916
Flowers by Telegraph	917
The Retailers' Business Calendar	919
NEWS ITEMS FROM EVERYWHERE	
Boston, Washington, Knoxville, San Francisco, St. Louis	918
FLOWER MARKET REPORTS:	
Boston, Buffalo, Cincinnati, New York, Philadelphia	921
San Francisco, St. Louis, Washington	923
U. S. DEPT. OF AGRICULTURE—Report of Entomologist—Ornamental Plants from Belgium	928
MISCELLANEOUS:	
Plant Houses of Anton Schultheis—Illustrated	909
Growing Roses From Seed— <i>Alex. Montgomery</i>	909
Belgium's Plight	909
Personal	909
New Corporations	912
Catalogues Received—Publications Received	914
News Notes	917-923
Business Troubles	919
Visitors' Register	923
Patents Granted	928
To Compute Amount of Piping	930
Greenhouses Building or Contemplated	930

until it is all over. So there is nothing for us to say about Christmas until next week.

"In the wrong pew"

A reader of HORTICULTURE calls our attention to a paragraph in the Pittsburgh notes in a recent issue of one of our esteemed contemporaries in which it is stated that "at the request of William Falconer" a member who does a large business in selling artificial flowers to undertakers and others had promised to make a display of artificial flower work at the next meeting of the Pittsburgh Florists' Club. Alas, poor W. F.! "Imperious Caesar, dead and turned to clay, might stop a hole to keep the wind away." But this—this is the limit and, like our correspondent who also knew the W. F. of bygone days, we stand dumbfounded and can only gasp, "Can this be true?"

To popularize the flower shows

HORTICULTURE's friends are full of suggestions these days. Here comes one who writes, "How goes your campaign now for more decorative features in our flower shows? You keep at it every year and I see it is beginning to bear fruit." In reply we would say that we are greatly pleased to see that this subject, so vital to the advancement of the popular knowledge and appreciation of floral art, is finding a place in the reflections of our thinking men. We have on so many occasions expressed our own views in a general way on this subject that we hesitate to do more now than urge that flower show committees apply to this particular feature of their work their keenest wisdom. It is one of the liveliest of live topics and will not be put down. There is plenty of time for a thoughtful discussion before the schedules for next year are made out. We know it would be very interesting to a large circle of our readers to hear different opinions as to how we may proceed to make our exhibits of greater interest to the general public and still be within the scope of the average exhibitor. "Don't all speak at once."

Seedlings vs named varieties

A valued correspondent of HORTICULTURE questions the soundness of our opinion, expressed in these columns a few weeks ago, as to the likelihood of any grower getting as good chrysanthemum flowers of the single early type from seed as could be produced from expensive named varieties. He is of the opinion that either the growers about Boston must have better success with their seedlings than do those in other parts of the country or else that the Boston men do not buy the best varieties. Our views were not based alone on our own judgment but also reflected the views of some well-known gardeners of whom the last thing that could be said of them is that they do not buy the highest priced named varieties. The highest priced varieties would have no terrors for such men but that the expensive varieties are the "best" seems open to considerable doubt. It would be very interesting to hear from some of the successful exhibitors at the recent Boston show and learn whether, in their unbiased opinion, the seedlings they staged there surpassed or even equalled such varieties as Joan Edwards, R. B. Burge, Golden Mensa, Sylvia Slade, Mary Richardson and numerous others that have been classed as leaders in their special colors. The subject is one that should interest many of our readers and we hope that some of them will come forward with an expression of their conclusions. Our columns are open to them and our mind is also open to enlightenment.

Christmas This is Christmas week. It happens, however, that predictions are useless and material facts impossible as to the success or otherwise of the florists' big harvest day, for this paper must be in type before the Christmas trade has developed its volume and it will not reach our patrons

BRITISH HORTICULTURE.

German Roses.

It is not surprising to find that on this side there is a bitter anti-German feeling prevailing on every hand. Everything Teutonic is being rigidly boycotted. Judging from some of the correspondence which has appeared in the papers there are some fervent Britishers who would exclude German roses from their gardens. This has emphasized the fact that many of the best roses in cultivation owe their origin to the fatherland. Take Frau Karl Druschki, the favorite white for exhibition purposes. This was raised by Herr Peter Lambert, of Trier, Germany. Its origin is interesting to recall at this stage. In 1896 Herr Lambert crossed the rose *Merveille de Lyon* with the pollen of *Caroline Testout*, raising only one plant from the resulting seed. In 1899 he was able to propagate about a hundred plants, and to stage some excellent specimens at Stuttgart and elsewhere. The name of *Snow Queen* was first suggested, but eventually it was christened after the wife of Herr Karl Druschki, the President of the German Rose Society. In 1901 some plants were sent to France. Some plants also found their way to America, in order to be tested by the United States growers. The result, however, was not altogether satisfactory. Some of the growers wrote to say that the rose was "no good, and not worth anything to them." The same unfavorable impression was created in Britain when the rose was first tried. But on both sides of the Atlantic it was found that too hasty a judgment had been passed, for this superb white soon became the queen of the exhibition tables. Another of the newer introductions from Herr Lambert in favor on this side is *Trier*, a pale salmon pink, produced from a cross between *Aglaiä* and Mrs. Sharman Crawford.

Other roses from the same source are *Kaiserin Augusta Victoria*, *Gustave Grunerwald* and *Papa Lambert*.

The Cult of the Orchid.

Mr. Gurney Wilson, editor of the "Orchid World," recently gave an informative lecture on the aristocrats of the conservatory before the members of a London Horticultural Society. There is no doubt that orchid culture is no longer confined to the rich amateur. The bargains at the sale room, with the chance of securing a prize unawares, has stimulated this branch of horticulture among the garden-lover with a small purse and great ambition. The cool greenhouse of the villa gardener will sometimes contain a gem amongst the other floral treasures. In the early days many mistakes were made in their cultivation, the general idea being that exotic heat must be provided for all species. Growers paid dearly for their experience. The expert advice given by the collectors showed at once from the experiences gained in the home of the orchid the diversity of temperatures required. Mr. Wilson eulogized the skill and enterprise of

PLANT HOUSES OF ANTON SCHULTHEIS.



The extensive range of A. Schultheis at College Point, N. Y., has been enlarged and greatly improved by the addition of two large modern houses and connecting house in which the builders, Messrs. Hitchings & Co., did a notable piece of work overcoming in a very clever manner the irregularity of grade, etc. A new office building was also added. Mr. Schultheis, who had

an excellent training and experience in Germany and England before coming to this country, established himself in College Point in a small way and in 1889 bought the place on which his greenhouses stood. Five years later he went into plant growing and has been eminently successful, building up a large holiday and Easter plant trade especially.

the Belgian growers, who are considered some of the best cultivators of the orchid-alas, that their years of patient toil should be ruthlessly destroyed!

W. H. ADSETT.

GROWING ROSES FROM SEED.

I want to grow roses from seed. Would you kindly give me a brief idea as to

1. How to ripen seeds?
2. What soil to plant in and how deep?
3. How long does it take seed to germinate?
4. What treatment should be given to a rose grown from seed to make good result?

Yours truly,

S. A. H.

1—Rose seed will ripen in any ordinary greenhouse or may be set out of doors during late summer then brought into a cool house before frost and allowed to finish.

2 Soil for seed should be rather light; a little leaf mold or other light material so that seedlings may be removed without breaking the small roots. Cover to about the depth of the seed, and firm lightly.

3—Seed will take anywhere from two to twelve months to germinate. If the seedpans are placed in a frame and allowed to freeze slightly it will hasten germination very much after they are placed in heat.

4—Treatment after the plants are up is about the same as any ordinary seedlings. Be careful not to keep too hot or too wet else they will damp off.

ALEX. MONCKEY.

To HORTICULTURE, Boston, Mass.

With best congratulations to the Tenth Anniversary. May you be spared for many more years of useful work, and may HORTICULTURE flourish and continue to grow in its influence upon the refined and aesthetic side of our trade, the only one devoted entirely and truly to the civilization and betterment of mankind.

Here is to health and happiness in this, the coming, and many other coming New Years.

Sincerely and truly yours,

WINFRIED ROELKER.

New York.

BELGIUM'S PLIGHT.

The following is a copy of a personal letter just received by one of HORTICULTURE'S subscribers from a friend in Belgium:

"How long, O Lord, is this situation going to last here? Our lower class people are suffering awfully; the weather is very cold; no heat because coal is too scarce and dear. The authorities of the city (because our Government doesn't exist now) collect money from others to give them soup and some coal, but only just enough to prevent starvation. Everything is so dear. Very little news about the war, newspapers are mostly suppressed and those which come out say only what the Germans like, but once I bought 'The Times' in Holland. It is very risky, though, so we get very little news. Here on the North Sea the Germans say themselves they are going to their graves. If this situation continues two months more and no food is coming in, we must all die from hunger. We commence to see now that the war will last for a long time."

PERSONAL.

John Kiessel, florist, of North Bergen, N. J., was quite badly hurt by being thrown from his wagon on December 15, by a runaway horse.

Robert Jackson, salesman for A. H. Langjahr, New York City, was operated on at the New York Hospital on Monday last, for appendicitis. Outlook favorable.

Frank J. Barris, superintendent on Col. W. W. Castle's place at East Weymouth, Mass., has been obliged to discontinue on account of a serious ailment of the heart, and is going to Ohio for a rest.

One square yard of greenhouse soil one year old and compacted in the usual way, will contain about 2.00 lb. of nitrogen, 2.00 lb. of potash, and 16.00 lb. of phosphoric acid.

CLUBS AND SOCIETIES

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The December meeting of this society, held at Greenwich, Conn., Friday evening, Dec. 11, was also the annual meeting and the fourth anniversary of the society. The personnel of the officers elected at this meeting for the ensuing year assures the society of a continuation of the remarkable successes of the past. The writer had the pleasure of being present at the first meeting of the society on the 14th of December, 1910, in the office of the Fremd Nursery at Rye, N. Y., starting with a membership of fourteen names. Today we have an enthusiastic membership of 280 active horticultural workers, 8 life members and 20 honorary members. The financial statement of the treasurer shows the society to be in a very flourishing condition. During recess the members were entertained by several accounts of the convention of the National Association of Gardeners at Philadelphia, at which this society was well represented. There was a fine display on the exhibition tables. The judges' awards are as follows: Cultural certificate to Thos. Ryan for poinsettias, Anton Peterson for Shawyer roses. Vote of thanks to Robt. Grunnert for White Enchantress carnations, Jas. Foster for poinsettias, grapes Gros. Colmar, and potatoes Carman No. 3. A. Wynne for carnations Sport of Harlowarden, Anton Peterson for carnations Matchless. Thos. Ryan for assorted carnations, and P. W. Popp for Narcissus Grand Soliel D'Or.

An illustrated lecture is scheduled for the next meeting, to be held Jan. 8, 1915. The subject—The Conservation of Our Wild Birds—should appeal to all. There will also be offered at this meeting special cash prizes for 18 carnations in three vars, six of each.

P. W. Popp, Cor. Secy.

PACIFIC COAST HORTICULTURAL SOCIETY.

The Pacific Coast Horticultural Society had its field day on Sunday, Dec. 6, at the nurseries of the MacRorie-McLaren Company in San Mateo county. It was a decidedly wet day, but the guests were given something to warm them up, and altogether had quite an enjoyable time.

The membership of the Horticultural Society is growing right along. Three new members admitted at the last meeting were Prof. Gregg and Prof. Stevens, of the landscape engineering department of the University of California, and Mr. Frasher, of the Luther Burbank Company. Officers for the ensuing year will be elected at the next meeting, nominations having been made at the last meeting. Practically all the more prominent members were nominated for the exhibition committee, ten of whom will be chosen. H. Plath had the unanimous nomination for president; Tom Taylor and Joe Thompson

are up for vice-president; Mr. Hofinghoff for corresponding secretary; B. Meyer for financial secretary; J. Jacques for treasurer; John McLaren for trustee; D. Raymond and Mr. Pos for ushers; Mr. Greaves for librarian. The next meeting, following the usual custom at elections, will be a smoker, with Messrs. Thompson, Raymond and MacRorie in charge of arrangements. The only exhibit at the last meeting was a specimen of Begonia Lorraine, by the MacRorie-McLaren Company, rated at 98 points. The award on exhibits for the year was: MacRorie-McLaren Company, 541 points; Dr. Parker, 190 points; Mr. Shillig, 165 points. Cups were awarded to these three, but it was decided in future to award no cup to any exhibitor making less than 400 points.

CONNECTICUT HORTICULTURAL SOCIETY.

This society held its annual meeting on Friday, December 11, in the County Building, Hartford. Before proceeding to the election of officers, President Huss requested that a new president be elected in his stead, inasmuch as he felt that a change was desirable and that he had held the office for six years and should therefore be released. The result of the election was as follows: President, Warren S. Mason, Farmington; first vice-president, George H. Hollister, Hartford; second vice-president, Carl Peterson, West Hartford; third vice-president, Oscar F. Gritzmacher, New Britain; secretary, Alfred Dixon, Wethersfield; treasurer, W. W. Hunt; librarian, William T. Hall; botanist, C. H. Siernan; pomologist, G. H. Hollister. County vice-presidents: Middlesex, Alex. Cumming; Fairfield, Charles H. Plump; New Haven, John H. Slocombe; Windham, Frank M. Smith; Tolland, Theodore Staudt; Litchfield, Walter Angus. The president will announce the executive committee at the next meeting.

Mr. Mason is the grandson of C. S. Mason, who held, in New Britain, in 1882, the first flower show ever given in Connecticut. He was born in Meriden, in 1879. For the past fourteen years he has had charge of the conservatories and grounds of the late A. A. Pope of Farmington, which are conceded to be among the best in this section of New England.

The next meeting will be held January 8, 1915, when a program for the first half of the year will be presented.

ALFRED DIXON, Sec'y.

Wethersfield, Conn.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

As no objections have been filed, public notice is hereby given that the registration of the seedling geranium by Charles Borrman, 338 High St., Buffalo, N. Y., becomes complete.

JOHN YOUNG, Sec'y.

Dec. 19, 1914

LANCASTER COUNTY FLORISTS' ASSOCIATION.

On Dec. 17 an unusual thing happened in Lancaster—a meeting of the Association and only half of their members in attendance. This was explained by the fact that it was the coldest night of the season and many of our members do their own firing and a few others when interviewed pleaded the mad rush for dollars just preceding Christmas.

After the usual routine of business M. J. Brinton of Christiana read a paper on Lilies and other bulbs for winter blooming. I. Rosnosky of the H. F. Michell Co., Philadelphia, pretty nearly fell off his chair when Mr. Brinton began to quote figures as to the quantity of bulbs he planted—over a million lilies, and other bulbs by the half million and hundred thousand. Mr. Brinton is a man of affairs in his town, a keen business man, and gave us a practical business paper of much value. In the discussion that followed Mr. Rosnosky gave some very interesting and instructive ideas on the lily question.

This was followed by a paper by Chas. B. Herr of Strasburg on carnations from the field to the present time. In the discussion of Mr. Kerr's paper the growers present all seemed very favorably impressed with Gorgeous on account of its remarkable keeping qualities. A number are on the fence between Matchless and White Wonder, the latter having made good to such an extent in this section that it will take considerable time for any other to replace it. Beacon had but two strong advocates—the writer and the reader of the paper. One of the growers present could not say enough in favor of Champion as a scarlet or red. We expected some of the novelties on exhibition, but they were sidetracked somewhere and did not arrive. There seemed to be a general inclination to try out Alice and Mrs. Akehurst pretty extensively.

B. F. Barr was nominated for president; Lemon Landis for secretary and Harry K. Rohrer for treasurer. One of the visitors made the remark that "Penrose had nothing on this club when it came to nominations." We argue on the principle that when you have a good secretary and treasurer it does not pay to make a change and that the president does not have time enough in one year to work out his theories and ideas, so we give him two years, but look out for the steam roller if he tried for a three-year term. Dennis Connor was on hand to see that no building got past the Lord & Burnham people.

The next meeting will be an informal social (stag) at a cost not to exceed \$1.50 per. There will be plenty to eat, plenty of water to drink, duck pin contests and other sports from 6.30 P. M. to 2.???. Previous to this at 1 P. M. we will take the Strasburg car for a trip to see Chas. B. Herr and Amos Rohrer. This will be a good time for visitors to get acquainted with us and we will not embarrass them by insisting on paying their expenses, hav-

ing adopted what we call "a dutch treat."

The writer, a member of The Lancaster Advertisers' Club, invited the members to attend the Pure Food Show.

ALBERT M. HERR.

ST. LOUIS FLORIST CLUB.

The Florist Club held its meeting on Thursday, Dec. 10. When President Bourdet opened the meeting there were some 35 members present. After all the usual preliminaries were disposed of the reports of all the committees were heard which brought forth lively discussions and especially on the Spring Flower Show report. The discussion showed that the members present were generally favorable and they would have so voted had not Chairman Smith asked for more time to show that it could be placed on a paying basis, so the time was extended until the next meeting. The trustees' report on entertainment also brought out some lively tilts among the members. Their plan as adopted is to give a dance and entertainment at Westminster Hall on Wednesday, January 27th, tickets to cost 50 cents a person.

It was voted to give all delinquent members one more month in which to pay last year's dues and a committee was appointed to call on each one and report at next meeting. Prof. H. C.

FRESH LILY-OF-THE-VALLEY PIPS

Either Berlin or Hamburg, Superior Quality, Long Roots and Strong Shoulders.

Cases of 3000 pips	\$40.00
" " 1000 "	14.00
" " 500 "	7.50

J. M. THORBURN & CO.
53 Barclay Street
New York

CALCEOLARIA HYBRIDS MIXED

3 1/2 in. pots, ready for 5 in.

At \$12 per 100

CASH WITH ORDER

A. M. DAVENPORT
WATERTOWN, MASS.

GOLDFISH

Why buy in the west when we can supply your wants near home, saving you expressage and loss in transportation?

THE M. D. JONES CO.
71 Portland Street, BOSTON, MASS.

DREER'S FERNS FOR DISHES

The Best Stock We Have Ever Offered



2 1-4
inch pots

\$3.00
per 100;

\$25.00
per 1000

HENRY A. DREER

714-716 CHESTNUT ST., - PHILADELPHIA, PA.

The above prices are for the trade only

ARE YOUR PLANTS MOVING?

If you are looking for a quick market, I am ready for your offer in quantity—indoor or outdoor stock, if it is seasonable and of right quality. Quote lowest price and state quantity. *Cash Ready.*

We are the *Largest Distributors to the People* in the United States.

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LOESER'S, Brooklyn, N. Y.
BLOOMINGDALE'S, N. Y. City
GIMBEL'S, New York City

We have ARAUCARIA EXCELSA by the thousand. New crop just arrived from Belgium, all started up, and right for sale now. Good value for your money. 5 1/2 in. and 6 in. pots, 3, 4, 5 tiers, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50. GLAUCA and ROBUSTA COMPACTA, 6 in., 7 in. pots, \$1.00, \$1.25, \$1.50, \$2.00.

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Godfrey Aschmann

Importer and Wholesale Dealer in Araucarias.

1012 W. Ontario St., PHILADELPHIA PA.

I Want Room

A surplus of S. A. Nutt, John Doyle and Perkins GERANIUMS, in 2 1/4-in. pots, \$15.00 per 1000. Other varieties, 2 1/4-in. pots, \$18.00 per 1000.

ASPARAGUS Sprengeri. 3-in., \$3.00 per 100; 4-in., \$4.00 per 100.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

ORCHIDS

Established Plants and Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

Irish thought it advisable to ask at the State Board's next meeting for an appropriation of \$10,000 for floriculture for the next two years and the club agreed to assist him in this. An employment bureau was formed and a committee of five, one from each wholesale house with the secretary of the club, was appointed. Those seeking employment and those wishing to employ should apply to this committee.

AMERICAN ROSE SOCIETY.

The schedule committee of the American Rose Society at a meeting held in Boston, December 18, adopted the following list of prizes for roses in pots or tubs. The classes for cut blooms will be arranged later.

It has been practically decided to hold the annual meeting and exhibition in Boston, March 18 to 21, 1915, in connection with the Spring Show of the Massachusetts Horticultural Society.

Plant Schedule of the American Rose Society.

Specimen Crimson Rambler.....	1st	2d
Specimen Pink Rambler.....	\$10	\$5
Specimen Hlawatha.....	10	5
Display in pots or tubs, any or all classes, arranged for effect, to occupy not less than 200 sq. ft.....	100	65
Collection of Hybrid Perpetuals, Teas, Hybrid Teas, Polyanthus, and other classes, twenty-five plants, not less than six varieties, arranged for effect.....	25	15
Display of hardy outdoor roses grown in pots or tubs.....	20	15

Prizes Offered by the Massachusetts Horticultural Society.

Rambler Roses, three plants, distinct varieties.....	1st	2d
Group of Roses, not less than twelve plants, all classes admissible.....	\$15	\$10
Best Specimen Rambler, any variety in pot or tub.....	50	40
Best Specimen Plant, any variety other than Rambler.....	Silver Medal	Silver Medal

CLUB AND SOCIETY NOTES.

Farmers' Week at the State College of Agriculture and Experiment Station, New Brunswick, N. J., will be held Dec. 28 to Jan. 2 inclusive.

The eleventh annual meeting of the Society for Horticultural Science will be held at the Botany Building, University of Pennsylvania, on December 29 and 30.

The following named officers have been elected by the Hampden County, Mass., Horticultural Society: President, J. Alden Davis; vice-presidents, W. H. Porter of Agawam and E. C. Coburn; treasurer, Joseph Aumer; secretary, Marshall Headie.

John Young, R. T. Brown and Thos. Boothe De Forest have been appointed by President Duckham of the New York Florists' Club as transportation committee to make arrangements for the trip to the Carnation meeting in Buffalo next month.

The adjourned meeting of the trustees of the Worcester County (Mass.) Horticultural Society was held on Dec. 9. Appropriations were as follows: Flowers, \$1200; fruit, \$1000; vege-

tables, \$650; winter meetings, \$300; publications, \$500; children's exhibitions, \$100. The committees appointed are identical with those of last year, no changes having been made.

The annual meeting of the New London (Conn.) Horticultural Society was held on the 10th inst., when the following named officers were elected for 1915: President, Alfred Flowers; first vice-president, Donald Miller; second vice-president, Gustave Neumann; secretary, John Humphrey; financial secretary, William J. Morgan; treasurer, S. L. Ewald; librarian, H. E. Lickman. There were two plants of Glorie de Lorraine Begonia and three vases of sweet peas (Yarrowa, Mrs. M. Spanolin, Lavender Nora) on the table from the Harkness estate. H. L.

The North Shore Horticultural Society held its regular meeting in Manchester, Mass., Dec. 17. It was decided to have the annual banquet in the Town Hall, on Jan. 27, 1915. Further notice of this event will be published at a later date. The speaker for the next meeting, Jan. 1st, will be Frank S. Gifford of the Essex County Agricultural School who will lecture on breeds of cattle.

A smokefest followed an early adjournment. All members are earnestly invited to attend the course of lectures during the winter.

WILLIAM TILL.

The Knoxville Florists' Society, on invitation, met Monday night, December 7th, at the Board of Commerce rooms with a committee from the Board of Trade. This being the last meeting night of the year officers were elected for the ensuing year, as follows: President, Chas. L. Baum; vice-president, Mrs. Edith Crouch, secretary and treasurer, A. J. McNutt. The meeting time of the society was changed from the first Tuesday night to the second Monday night of each month. The first year of the organization has been a very successful one, and the coming year has the promise of being much better.

At the regular semi-monthly meeting of the Southampton (Mass) Horticultural Society held December 17, Mr. Frankenbach gave a short talk on his experience in cultivating some of our native wild bushes and advised their use among other shrubbery. Treasurer Wm. McLeod read an interesting paper on conifers, their culture and care, and those best adapted to these parts. A representative of Bosnett Bros. happening to be here was present by invitation and gave a short talk on the general outlook on gardening. He spoke of the difficulties under which many foreign grown seeds had been harvested, and asked due consideration from gardeners and planters.

It was a very well attended meeting that the New Haven County (Conn.) Horticultural Society held on Tuesday evening, Dec. 8. The chair was occupied by Vice-president H. F. Clark in the absence of the president.

After the routine business had been transacted, the election of officers for the ensuing year was taken up. H.

F. Clark was unanimously elected as president. Wm. J. Rathgeber, vice-president and chairman of the Board of Managers. W. C. McIntosh and David Kydd were re-elected as secretary and treasurer of the society.

Exhibits of carnations were made by H. P. Brooks, florist, of West Haven. Awards were made by the judges as follows: Enchantress, 6 points; White Enchantress, 6 points; Winsor, 7 points.

The annual meeting of the Nassau County Horticultural Society was held in Pembroke Hall, Glen Cove, N. Y., Dec. 9th. A communication was read from A. Fournier, Glen Cove, offering a prize of \$10 to be competed for at our fall show, 1915. The president then presented the society's cup and the Stumpp & Walter cup, won at the recent shows, to F. Petroccia. It was decided to hold our annual dinner on January 25, 1915. The judges made first prize awards as follows: Vase of carnations, F. Honeyman; Brussels sprouts, T. Twigg; cauliflower, F. Petroccia with certificate of culture. The treasurer's report was very favorable. Election of officers resulted as follows: President, Ernest Westlake; vice-president, James McCarthy; treasurer, Ernest J. Brown; recording secretary, Harry Jones; corresponding secretary, James Gladstone; trustee for three years, James Duthie; executive committee: Wm. Gray, James McDonald, Angus McGregor, George Ashworth, Jos. Adler, John Fogarty and Robert Jones. Exhibits for next meeting: Three poinsettias (cut), three heads celery, three heads lettuce.

JAMES GLADSTONE,
Corresponding Secretary.

DURING RECESS.

New York Florists' Bowling Club, Thursday, Dec. 17, 1914.

	1st Game	2nd Game	3rd Game
C. W. Scott.....	159	169	162
W. H. Siebrecht.....	145	152	157
J. Miesem.....	172	181	168
P. Jacobson.....	156	147	152
H. C. Riedel.....	163	188	193
A. Kakuda.....	164	152	149
A. J. Guttman.....	...	169	...

NEW CORPORATIONS.

Fort Payne, Ala.—Wills Valley Nursery Co., has increased its capital stock from \$100,000 to \$110,000.

Floral Park, N. Y.—Floral Park is to be the home of the Mayflower Publishing Co., which is to issue a magazine that will make its appearance the early part of the new year. John Lewis Childs is behind the publication, which will be devoted entirely to the interest of school children.

"It's all in the wheel"



RED DEVIL GLASS CUTTER No. 3 in 1

Has 3 wheels in the head, cutting 3 grades of glass—thin, medium and thick, with equal facility. Comes with a kid case. Sent on receipt of 12 cents stamps. Booklet on request.

SMITH & HEMENWAY CO.
181 Chambers St., New York City.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

See Situations Wanted, page 927, if you are looking for a seedsman.

Garrison, N. D.—A seed store has been opened here by the Missouri Slope Seed Co. of Fargo, N. D.

Columbus, O.—T. J. Ludwig, for many years with the Livingston Seed Co., will start in business for himself after January 1st in the new White-Haines building, 82 North High street.

Horticultural imports into the port of New York during week ending December 12 were valued as follows: Sugar beet seed, \$64,024; clover seed, \$5,398; grass seed, \$988; trees and plants, \$47,481.

St. Louis, Mo.—The St. Louis Seed Co. are preparing to move into their new building at 411-13 Washington avenue. They have been occupying temporary quarters at 408 North Broadway since the fire last spring.

CATALOGUES RECEIVED.

W. Atlee Burpee, Philadelphia, Pa.—Advance Offer of Sweet Peas for 1915.

George Wittbold Company, Chicago—Special Wholesale Price List of Decorative Plants.

Knight & Struck Company, New York—Price List of "Heatherhome" Seeds. A 240-page catalogue, neatly bound in pale blue.

Alfred Mitting, Santa Cruz, Cal.—Berry Catalogue for 1915, an interesting special list; illustrated.

Clark W. Brown, Ashland, Mass.—Catalogue and Price List of Gladiolus and Dahlia Bulbs. Illustrated.

A. E. Kunderd, Goshen, Ind.—Illustrated Descriptive Catalogue and Price List of the Ruffled Kunderdi Type of Gladiolus.

Hjalmar Hartmann & Co.—Copenhagen, Denmark, 1914-15—Illustrated Wholesale Price List of Danish

Seedsman requiring the very best selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

LANGPORT, 8 MERSET, ENGLAND

Special quotations on application

NOVELTIES in FLOWERS and VEGETABLES.....

Jas. Carter & Co., of Raynes Park, England, have originated or introduced a large proportion of all new varieties in the last 50 years. That is why Carter's reputation is world-wide and experienced gardeners keep in close touch with Carter productions.

Study the new Carter Catalog for 1915. Among the Flower Seed Specialties you will find our new strains. Many varieties of Asters, Marigolds, Snapdragons, Primroses, Sweet Peas, Petunias and others are listed.

In the Vegetable List are novelties of Beans, Beets, Carrots, Radishes, Cabbages, Celery, Cucumbers, Lettuce, Peas, Tomatoes, etc. This new Catalog—Carter's "Garden and Lawn"—has many wonderful photographic illustrations and valuable cultural directions. Send us your name and address now so we may mail you a complimentary copy.

CARTERS TESTED SEEDS INC.

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Branch at Seattle, Wash.

In Canada, 133 King St. E., Toronto.

Branch of Jas. Carter & Co., Raynes Park, Eng.

Carter's
Tested
Seeds



Lilacs, Lily of the Valley Roses and Pansies, Loechner & Co., New York, American agents.

Samuel Murray, Kansas City, Mo.—Folder in colors, listing desirable Christmas plants for retail trade. A very catchy proposition.

Scott Bros., Elmsford, N. Y.—Price List of Chrysanthemums, Roses, Carnations, etc. Here are listed all the desirable novelties, chrysanthemums especially. Interesting to the trade and growers for exhibition.

Burnett Brothers, New York City—Annual Seed and Bulb Catalogue for 1915. Early in the game and a worthy advance herald of the annual catalogue host. Bound in royal purple, gold embossed. Well printed and fully illustrated. An unique map of the United States in gold lines on the back cover tells its scope.

H. G. Hastings & Co., Atlanta, Ga.—"Hastings Seeds" catalogue No. 49, spring, 1915. Not only a handsomely illustrated catalogue but full of snap and go and original in many of its features. A cotton picking scene on front cover and the Watson Watermelon in natural colors on back cover give a distinctively southern exterior to this representative catalogue.

PUBLICATIONS RECEIVED.

Two very valuable bulletins have been issued for October and November, 1914, by the Massachusetts Agricultural Experiment Station, Amherst, Mass. Bulletin No. 156 deals with electrical injuries to trees, the effects of alternating and direct currents and the methods of preventing injury to trees from wires, etc., by Dr. George Stone. The subject is covered in Dr. Stone's painstaking and

thorough style and has a number of pertinent illustrations.

Bulletin No. 157 is on the Marguerite Fly, by M. T. Smulyan. This is an exhaustive treatise on the life history, habits and methods of control of this destructive greenhouse pest, filling 60 pages, including several plates showing the insect in its various stages and its work. Every greenhouse, man who grows the marguerite will need this bulletin. It may be had for the asking.

MICHELL'S NEW CROP FLOWER SEEDS

ASPARAGUS PLUMOSUS NANUS.
Greenhouse Grown, per 1000 seeds, \$3.50; \$15.50 per 5000 seeds; 10,000 seeds, \$30.00.

ASPARAGUS HATCHERI, per 500 seeds, \$3.25; \$6.00 per 1000 seeds.

VERBENA:	Tr. Pkt.	Oz.
Mammoth Fancy Blue....	\$.30	\$1.25
" " Pink....	.30	1.25
" " Scarlet....	.30	1.25
" " White....	.30	1.25
" " Mixed....	.30	1.00
Giant Flowered, "....	.50	2.50

VINCA:		
Alba.....	.15	.60
Alba Pura.....	.15	.60
" ".....	.15	.60
Mixed.....	.15	.50

SALVIA:		
Bonfire.....	.40	2.00
Ball of Fire.....	.50	2.50
Scarlet Glare.....	.50	4.00
Zurich.....	.50	4.00
Splendens.....	.25	1.00

SHAMROCK:
Fine Irish..... .25 .75

Also all other Seasonable Seeds and Supplies for the Florist.

Send for Our Handy Flower Seed Order Sheet if you haven't a copy.

HENRY F. MICHELL CO.

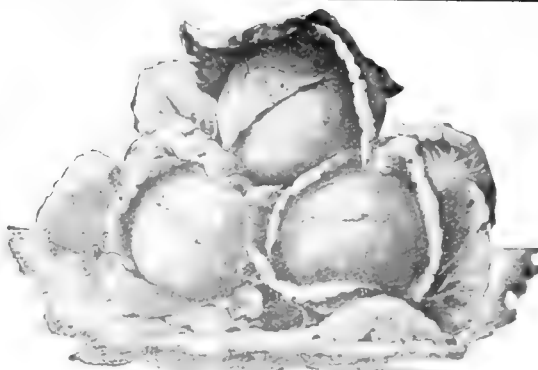
518 Market Street, Phila.

SLUIS & GROOT

Seed Growers and Seed Merchants

ENKHUIZEN, HOLLAND

beg to inform the trade that their country is very likely to escape the present European war and will be glad to mail their prices of Vegetable and Flower Seeds on application to the *wholesale* trade only.



CABBAGE, ENKHUIZEN GLORY
Introduced several years ago by our firm

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

A. HENDERSON & CO.

369 RIVER STREET, CHICAGO

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

J. W. Edmondson, Mgr. M. W. Williams, Sec'y

California Seed Growers Association, Inc.

Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

When writing to advertisers kindly mention *HORTICULTURE*.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

THE BUGS ARE BUSY

NICO FUME LIQUID and PAPER

Prepaid to Your Door

1 Gal. Can....	\$10.50	1/2 Gal. Can....	\$5.50
288 Sheets Paper.....	7.50		
144 Sheets Paper.....	4.00		

ROMAN J. IRWIN, 71 West 23rd St. NEW YORK

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO

Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

NEW CROP SEEDS

FOR FLORISTS

Ask for 1914 Catalogues

Joseph Breck & Sons Corp.
Seedsmen

47-54 No. Market St., BOSTON, MASS.

ONION SEED, ONION SETS

We are extensive growers and dealers of Seed and Sets. All our stock is first-class quality. Write for prices.

SCHILDER BROS.,

Chillicothe, Ohio

97th YEAR

J. BOLGIANO & SON

Wholesale Garden and Field Seeds,
Onion Sets, Seed Potatoes
GROWERS OF PEDIGREE TOMATO SEEDS
BALTIMORE, MD.

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

Thorburn's Seeds and Bulbs

WE often have an overstock of popular seeds and bulbs which we are able to supply below the market.

Ask us about it and watch for our column announcements.

J. M. THORBURN & CO.

In Business Since 1802

53 Barclay Street - New York

SPIREA

NEW IMPORTATION

GLADSTONE, white \$6 per 100

QUEEN ALEXANDRA, pink, \$7 per 100

TRITOMA

2 yr. fl'd grown, \$4 per 100; \$35 per 1000

JAMES VICK'S SONS

ROCHESTER, N. Y.

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Day St., NEW YORK and ORANGE, CONN.

BULBS SEEDS ROOTS

For Fall Planting or Forcing

EXHIBITION QUALITY

Best Values in Boston.

THOS. J. GREY CO.

32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK

Lompoc, Cal.

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cost of Cabing Foreign Deliveries
Must be prepaid

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1552-1553 Columbus**DARDS**

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

NEW YORK CITY

AND VICINITY

A. WARENDORFF

Artistic Work. Reasonable Prices.
Prompt Delivery of Steamer Orders.
1193 Broadway, My Only Store

MyerNEW YORK
609-611 Madison Ave.

Choicest cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in Buffalo, Niagara Falls, East Aurora, Lockport, Tonawanda, Lancaster and other Western New York cities and towns.

Palmer's304 Main Street
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Members Florists' Telegraph Delivery Association

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

13 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

Of Interest to Retail Florists**FLORISTS' TELEGRAPH DELIVERY.**

To the Members of the Florists' Telegraph Delivery and all Retail Florists in the United States and Canada.

In view of the war conditions in Europe there will undoubtedly be an increase noted in the sending of flowers by telegraph in this country during the holiday period.

Much advertising has been carried forward by individual members of the Florists' Telegraph Delivery; special window displays have been in order from New York to San Francisco showing the advantages of sending flowers by mail or telegraph at a distance with no added expense. Thousands of people are being appealed to in person by the better class of shopkeepers, who have in a measure installed confidence with the flower buying public so that friends may be remembered at a distance with nature's wares safely and promptly. Surely these earnest efforts have not been wasted, and thousands of dollars are reaching florists' channels; indirectly, the wholesaler, grower, tradesman, and directly the shopkeeper.

The opportunity of testing out this comparatively new but important phase of our welfare is at hand. Advertise flowers by telegraph during the coming holidays—in the newspapers, in trade papers, on sign boards or automobiles, special pamphlets, on billheads or telegrams if you like, but do try to persuade some of the prospective thousands into using this convenient phase of the flower business and reimburse yourself as well as your brother florist.

The officers and directors of the Florists' Telegraph Delivery wish to thank those whose constant efforts in this direction are bringing in such handsome returns, and extend to them a Merry Xmas and a Happy New Year.
IRWIN BERTRAMANN, Pres.

NEW FLOWER STORES.

Rochelle, Ill.—The Palms Flower Shop.

Providence, R. I.—Frederick Bohl, Kingsley Bldg.

Chicago, Ill.—J. J. Kolar & Son, 5136 West 25th street.

Uniontown, Pa.—American Flower Co., Central Hotel.

Fort Worth, Tex.—Geo. Kennedy, 703 Houston street.

Oklahoma City, Okla.—Barteldes, 309 W. Main street.

Gloucester, Mass.—G. F. Stevens & Sons, 127 Main street.

Washington, D. C.—K. A. Wustrow, 929 17th street, N. W.

West Orange, N. J.—The Manda Florist Co., 191 Valley road.

Baltimore, Md.—The American Flower Shop, Liberty street.

New York, N. Y.—Cogan & Co., 207th street and 10th avenue.

Springfield, Mass.—Burt, the Florist, Sheldon Building, Main street.

New York, N. Y.—John J. Foley, Amsterdam avenue and 142d street.

Glendale, Cal.—C. H. Woolsey, new theatre building, Brand boulevard.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

A. T. BUNYARD

NEW YORK

413 Madison Avenue at 48th Street.

Also Newport, R. I.

We Guarantee Satisfaction

MEMBER F. T. D. A.

CLEVELAND**A. GRAHAM & SON**

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2180

Members Florists Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated
ST. PAUL, MINN.**

CHICAGO

Send Your Orders to

WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
ServiceTHOS. F. GALVIN
INC.NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 126 Tremont Street
759 Boylston Street

Deliveries to Steamers and all Eastern Ports

M. RICE CO.

The Leading Florists'
Supply and Ribbon House

1220 Race Street, PHILADELPHIA, PA.

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915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS
FLORISTSNEW YORK, WASHINGTON, D. C.
1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store onlyThe Far-Famed Flowers of
TORONTODelivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

88 Yonge St., TORONTO, ONT.

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37 43 Bronx
field St.Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.Chicago—William J. Smyth, Michigan
Ave. and 31st St.Cleveland, O.—J. M. Gasser Co., Euclid
Ave.Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.Denver, Col.—Park Floral Co., 1643
Broadway.Detroit, Mich.—J. Breltmeier's Sons,
corner Broadway and Gratiot Ave.Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.New York—A. Warendorff, 1193 Broad
way.New York—J. H. Small & Sons, 1153
Broadway and Waldorf Astoria

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.Toronto, Can.—J. H. Dunlop, 96 Yonge
St.Washington, D. C.—Gude Bros., 1214 F
St.Washington, D. C.—F. H. Kramer, 915
F St., N. W.Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEWS NOTES.

Madera, Cal.—The Fresno Nursery
Company of Fresno, has leased 160
acres of land, on which they will es-
tablish a nursery.New York, N. Y.—C. C. Trepel has
established headquarters in the whole-
sale district at 40 West 28th street,
from which point he will distribute
the stock to his various stores.Cincinnati—C. E. Critchell reports
that there is a better demand for
bronze Leucothoe than at any time in
previous years.C. J. Jones of the Walnut Hills
Floral Bazaar and Otto Walke who
have been on the sick list are again
at their respective stores.

Penn. The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists' Telegraph
Delivery.REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries toZINN The Florist
4 Park St., BostonHESS & SWOBODA
FLORISTS

Telephones 1591 and L 1591

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

J. Newman & Sons have taken on extra help and are working overtime to meet the holiday demand.

The mother of Fred Roberts died this week. Fred Roberts is connected with Cassidy of Beacon street.

W. H. Spring of 443 Tremont street, is receiving expressions of sympathy on the death of his wife who passed away this week.

George Cartwright, secretary of the Boston Flower Exchange, is back again at his old post, ready to meet the holiday rush.

Penn the Florist ran a half-page Christmas advertisement in a Tuesday morning daily newspaper. Penn sets the pace in advertising, for the Boston florists.

B. A. Snyder Co., are completing the first year of their business life and from all reports it has been a very successful year. The force for the rush season has been tripled.

The increase in holiday business has made it necessary for Harry Quint to take on an extra store during the season. Millard Ricker, for eight years with Wax Bros., has joined the force, and is turning out some very tasty work.

J. W. Rogers of Summer street is receiving her full share of holiday business and has doubled the working force in order to meet the demand. This enterprising lady florist is located very advantageously, directly in the path of the thousands who daily ride home from the South Station.

Some specialties that are finding favor in the markets this week are camellia plants and araucarias from Kamayama & Serada, of Cambridge; Cattleya Trianae, from F. J. Dolansky, of Lynn; yellow tulips, from A. M. Davenport, of Watertown; carnations from Wm. R. Nicholson, Hanover greenhouses and Thos. Capers and especially Peter Fisher whose novelty Alice is going at a lively clip in this market. Lily of the valley from Carl Jurgens at Welch Bros. and from Wm. Jurgens at Alfred Walsh's are keeping up Newport's prestige for this important flower.

PHILADELPHIA.

The Burpee employees were given the week-end off, commencing at 12 noon Friday the 18th, so as to give them a chance for Christmas shopping. The same liberal policy prevails for Christmas week, the holidays extending from noon Thursday the 24th to Monday the 27th. At 2.30 P. M. Thursday, occurred the annual Santa Claus act to the children of Philadelphia by Mr. and Mrs. Burpee, at the Burpee Buildings. If each of the hundreds of children were made half as happy and glad as their hosts over the affair; then joy was unconfined.

Elmhurst, N. Y.—Alexander Donaldson is having the same trouble from a leak in the gas main which his father experienced last winter, three houses of lilies and callas being practically ruined.

WASHINGTON.

The S. S. Pennock-Meehan Company has been granted a permit to remodel their store at 1216 H street, Northwest. The firm has recently placed an order for an automobile delivery wagon and it is its intention to change over that part of the store at the rear of the icebox into a place suitable for the storage of the machine when not in use.

An examination for gardeners will be held by the Civil Service Commission in Alexandria, Va., on Jan. 20. Further information concerning this examination can be had upon application to the Commission.

The Department of Agriculture is about to make a study of pond lily diseases, and Frederick Rand, assistant in the laboratory of plant pathology, will secure suitable material therefor while on his present trip through New York, New Jersey, Delaware and Maryland.

Gude Bros. Co. accomplished a novel wedding decoration last week when they transformed the dining room of the residence of Mr. and Mrs. Frank B. Noyes into a chapel on the occasion of the marriage of their daughter. The front of the impromptu chapel was formed by two large Italian columns entwined with smilax. The front was decorated with cibetium ferns and at the alter were masses of lilies and lighted candelabra. The wainscotting was separated from the asparagus covered walls with an enormous quantity of paper white narcissi. The bride's bouquet was a shower of orange blossoms and camellias, that of the bridesmaid was of gardenias, while the little flower girl carried a prim bouquet of rosebuds.

J. Harper Hetherington, manager of the store of the Washington Florists' Company, last week complained to the police of the theft of a diamond ring, the property of Miss Alice Craemer, bookkeeper at the store, which was taken from a pocketbook in the cloakroom. The police found the ring hidden in some material at the rear of the store and the theft was laid to a negro employee.

The store of Fred H. Kramer presented a very attractive appearance during the holiday season, the center of the establishment having been covered with an archway of red and green trimming, from which was suspended a large number of miniature figures of Saint Nicholas.

Knoxville, Tenn.—Addison J. McNutt is somewhat discouraged about his crop of sweet peas, which has been practically ruined by the recent cloudy weather.

Chas. L. Baum has a very attractive F. T. D. window, which brings out the idea to the public that flowers can be delivered to any part of the United States or Canada on very short notice, and with the assurance that the order will receive the same care and attention as if it were to be delivered in Knoxville.

SAN FRANCISCO.

The Art Floral Company, of 255 Powell street, has just opened a branch for the holiday season at 156 Powell.

The upper three doors above B. M. Joseph's new shop on Grant avenue will be opened Dec. 21 as afternoon tea rooms, which is expected to make this location quite a gathering place for fashionable people. Mr. Joseph says the results of his first month in business have greatly exceeded his expectations. He is preparing to install a large Christmas tree, with elaborate decorations, on his second floor for the holidays. John R. Sievers, formerly of Sievers & Uzick, who has been for some years in the nursery and cut-flower business, is acting as chief salesman at Joseph's.

Three carloads of rare varieties of rhododendrons for the decoration of the Panama-Pacific International Exposition grounds have been received yesterday from England. Among them are one thousand Rhododendron cornu, which comprise the largest shipment of the kind ever sent to this country. The plants will blossom early in February. For this reason they are to be used as the first of the series of floral decorations that are to keep the exposition grounds in continual bloom throughout the ten months of its existence.

The past few days have been marked by the influx of great quantities of exhibits and shipments of various kinds to the exposition grounds.

St. Louis, Mo.—George B. Windler's greenhouses on Delor street, were visited by fire on Friday night which caused considerable damage to flowers and plants. The fire started in the sheds and spread to the greenhouses and also caused the boiler to crack. Oil stoves were put in use and these will save some of the Christmas plants from freezing. The loss has not been estimated yet.

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822



**WASHINGTON,
D. C.**

GUDE'S

Member Florists
Telegraph
Delivery.

RED FRIEZE Or Red Roping

60 yards to a piece. Ask for Prices on Quantities.

STATICE Natural, Red and Green IMMORTElLES

WRITE FOR PRICES

We have the greatest and most complete collection of Florist Supplies in this country. Stunning New Year's Novelties. Located within one block of all the Express Companies, and the Parcel Post is right at our door. We can fill your order at a moment's notice. Try us!

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

**1129 Arch St.,
PHILADELPHIA, PA.**

Of Interest to Retail Florists

THE RETAILERS' BUSINESS CALENDAR.

Dec. 26, Sat. Christmas and another year gone by! Let us hope that you have added materially to the strength of the business house you are building. Dedicate next year's structure to the following purposes:

To enthusiasm in business, to inspiration in work and to harmony in life;

To good fellowship among yourselves and among those with whom you associate;

To the establishment of higher business ideals in the industrial and commercial life of your community;

To the better understanding and promulgation of the principles of service;

To the development of initiative and efficiency in the world of affairs;

To a bigger, better and broader vision of the business world and of life in general.

Dec. 27, Sun.

A—lways on hand, and ready for work;

G—ood for his duty, and never a shirk.

Q—nly an eye on the good of the store;

O—rderly, neat, and never a bore.

D—uly employed, from morning to night,

S—elling flowers, at prices just right!

A—fter work hours, ready for play,

L—ooking for vigor for the next day.

E—ver an honest, industrious man,

S—eeking for business wherever he can.

M—aking of labor a loving devotion;

A—lways a hustler; ever in motion;

N—eedless to worry—he's sure of promotion!

Dec. 28, Mon. There is a florist shop downtown in New York, where the clerks are in danger of getting cross-eyed.

They keep one eye on the job upon which they are engaged, and the other on the door. The moment a customer comes in, those who are not waiting on someone else, make a dive for him. Why?

Because each salesman, in addition

to his salary, receives a percentage on his sales. One cent on every dollar.

A cent is not much on a sale of one dollar. But if the clerk pushes out a hundred dollars' worth in a day, he has made a dollar.

There is no holding back, to let some one else wait on him. No pretending to be busy. That one cent on the dollar makes every clerk a real Johnny-on-the-spot.

Dec. 29, Tues. Your busy season is at its height, but that is no excuse for neglecting the little things that become big things in the aggregate. Did many of your orders go astray last week? In the rush and bustle you probably neglected to write the addresses plainly on all parcels of goods sent out. An order mislaid or delayed in shipping will eventually reflect on the good will of your business. Few customers are willing to appreciate the strain upon the florist at this season and consequently it is absolutely essential that such misunderstandings be avoided by paying just a little extra attention to the little things.

Dec. 30, Wed. Post the books today. The close of the year brings with it the question of how successful your business was during the past fiscal period. Be sure to learn from what your books tell you and profit thereby, if the story is at all negative. Reflect upon your mistakes and—don't do them again!

Dec. 31, Thur. Spend a few minutes today writing copy for an appropriate New Year's card, to be inserted in the newspapers tomorrow morning. Get intimate with your buying public. Most people like to see a little of sentiment and the finer feelings rule the conduct of a busi-

ness house and especially so at this time.

Jan. 1, Fri. The starting post in another lap of life's race! Forget the troubles of the past year and start afresh with a determination to win and gain the goal. HORTICULTURE will do its best to aid and spur on to higher endeavor all that heed the treasure of knowledge and wisdom stored within its pages. The plans for the new year include contributions from the men who have something worth while to tell, who have learned their lessons thoroughly in the hard school of experience and who are willing to ease the upward path of their younger fellow members.

Jan. 2, Sat. Here are some resolutions that one might paste on the inside of his mind for use during the coming year:

(1) Keep out of the ruts. It is mighty easy to get into them, and easy travelling while there; but once you try to get out, you've got a hard job before you.

(2) Keep everything about your store in a neat, clean, and well-ordered condition. Keep the cobwebs not only out of the store windows, but out of the business—especially in the buying and selling departments.

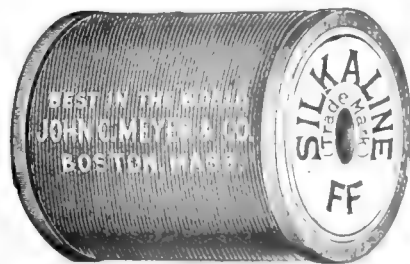
(3) Kindness, courtesy and attention to all who come in, should be cultivated as among the cardinal virtues.

S. L. F.

BUSINESS TROUBLES.

Norfolk, Va.—Virginia Floral & Nursery Co., assigned to Fred C. Abbott, trustee, for benefit of creditors.

Dayton, O.—Herman Ritter, florist, assets \$22,262.50, liabilities \$27,228.96.



BE SURE that you get the MEYER GREEN SILKALINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKALINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKALINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.
In writing advertisers kindly mention HORTICULTURE.

CARNATIONS

The best varieties—well grown—flowers of good keeping qualities. The Best in Carnations is always the cheapest in the end. For real satisfaction, send your orders in our direction.

THE LEO NIESSEN CO.

Wholesale Florists

BALTIMORE, WASHINGTON, PHILADELPHIA

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 23	CHICAGO Dec. 14	BUFFALO Dec. 21	PITTSBURG Dec. 21
Roses				
Am. Beauty, Special.....	75.00 to 85.00	40.00 to 50.00	60.00 to 75.00	50.00 to 70.00
" " Fancy and Extra.....	40.00 to 50.00	30.00 to 40.00	40.00 to 50.00	30.00 to 40.00
" " No. 1.....	25.00 to 35.00	10.00 to 25.00	25.00 to 35.00	15.00 to 25.00
Killarney, Richmond, Extra.....	10.00 to 15.00	8.00 to 12.00	12.00 to 15.00	15.00 to 20.00
" " Ordinary.....	4.00 to 8.00	3.00 to 5.00	8.00 to 10.00	8.00 to 10.00
Hillingdon, Ward, Sunburst, Extra.....	10.00 to 15.00	8.00 to 12.00	12.00 to 15.00	12.00 to 15.00
" " Ordinary.....	4.00 to 8.00	3.00 to 5.00	8.00 to 10.00	6.00 to 10.00
Maryland, Shawyer, Taft, Extra.....	10.00 to 15.00	8.00 to 12.00	12.00 to 15.00	12.00 to 15.00
" " Ordinary.....	4.00 to 8.00	3.00 to 5.00	8.00 to 10.00	6.00 to 10.00
Russell, Hadley, Ophelia.....	10.00 to 15.00	8.00 to 12.00	12.00 to 15.00	12.00 to 15.00
Carnations, Fancy.....	8.00 to 12.00	4.00 to 8.00	8.00 to 10.00	6.00 to 10.00
" " Ordinary.....	6.00 to 8.00	2.00 to 3.00	6.00 to 8.00	3.00 to 5.00
Cattleyas.....	10.00 to 15.00	6.00 to 10.00	7.50 to 10.00	5.00 to 7.00
Cypripediums.....	10.00 to 15.00	10.00 to 15.00	12.00 to 15.00	10.00 to 15.00
Lilies, Longiflorum.....	12.50 to 15.00	8.00 to 12.00	12.00 to 15.00	10.00 to 15.00
Lily of the Valley.....	4.00 to 5.00	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Violets.....	1.50 to 2.00	.75 to 1.50	1.50 to 2.00	1.00 to 1.50
Snapdragons.....	10.00 to 12.00	10.00 to 12.00	4.00 to 6.00	6.00 to 8.00
Narcissus, Paper White.....	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00	3.00 to 4.00
Corn Flower.....	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
Chrysanthemums.....	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
Stevia.....	2.00 to 3.00	1.00 to 2.00	1.00 to 1.25	2.00 to 3.00
Sweet Peas.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	.75 to 1.00
Gardenias.....	10.00 to 12.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
Adiantum.....	10.00 to 12.00	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25
Smilax.....	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
Asparagus Plumosus, Strings (100).....	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00
" " & Spreng. (100 behs.).....	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantsmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID

WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON The Christmas rush and its attendant joys and troubles are on. The retail stores are crowded with flowering plants and extra help. The wholesale houses are extremely busy with shipping trade. Nevertheless complaints are rife among the salesmen in the wholesale markets. They all agree in deploring the abnormal apathy in their part of the trade. Business is undoubtedly much better than it has been for some time, but the fact still remains that it is below that of former years. Roses, carnations and pot plants seem to be in greatest demand and are fetching good prices. Orchids and gardenias are being called for favorably, but are not receiving top notch figures. There are still some chrysanthemums to be seen, with few buyers. The local retailers are again cutting into the sale of natural cut flowers by actively pushing the basket combinations of bayberries, elderberries, pine cones, etc. This latter feature is very discouraging to the growers of natural flowers. Snow, rain and slush was the order of the day on Monday, but at this writing, Wednesday, the weather is propitious, and the florists are willing, so here's hoping that the buying public will do its share to round out a perfect holiday season.

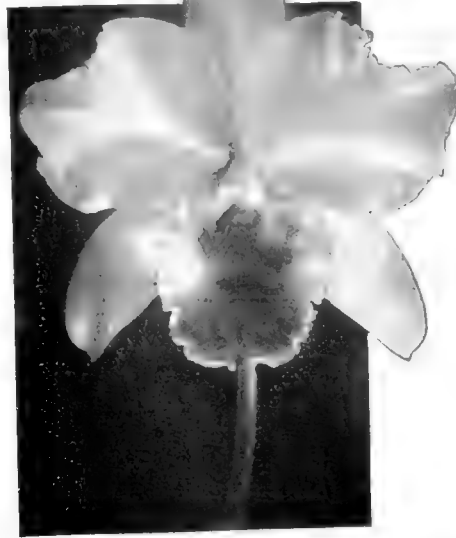
BUFFALO About the only business that has been done for the past week was in holly, boxwood, laurel and decorative material and a good lot of artificial stuff which the trade calls for. The shop windows are well decorated and attractive and the greater portion with this artificial material which seems to have a large sale each season. There was very little cut-flower trade. Social entertainments were very quiet, as was plainly seen by the stock of corsage flowers in the market, together with plenty of rose and other stock, Saturday being about the only day that a flurry was had and there being sufficient stock except possibly a slight shortage in carnations. The chrysanthemum season is over, which is a good relief, a benefit to other stock. The outlook for Christmas is promising and from all indications the volume of business should be larger, though prices may not be as high as heretofore. The Beauty crop is good and the quality fine. Roses will be in good supply, also violets. At this time carnations looks much like a scarcity, though it may be a case again of the same old story. Let us hope the holiday business will equal previous years and that the merchants may say that they had a real hustle on for a few days, which would offset those many dreary ones had during the fall.

CINCINNATI The market for the past fortnight has been very weak and any attempt, so far, to raise prices by the individual wholesalers has resulted in an accumulation in the particular line and a consequent drop to the former level to effect any sort of a clearance at all. The rose cut is large and has been more than sufficient to take care of the recent demand for them. American Beauties are fairly plentiful. The carnation supply is large but has been having a very indifferent call. There are plenty of

poinsettias for the Yuletide demand. Lilies are plentiful and the same is true of lily of the valley. Violets and orchids, paper white, narcissus and stevia are coming in strong. Other offerings are Roman hyacinth, calla, forget-me-not, wallflower, primroses and a few antirrhinums.

NEW YORK This week started off badly, with a very inclement Monday, but Tuesday showed up clear and cold and the retail flower stores filled up quickly with customers, since which time until present moment the retailers have had all they could attend to. Plants have been selling well better than appeared likely a few days ago. As to the final outcome with the cut flowers, little can be told at this time (Wednesday) and the story will have to wait until next week. Prices asked in advance are lower on most things than has been the case in past years. One retailer is advertising American

CATTLEYA TRIANAE



Splendid Quality, \$6.00
and \$7.50 per doz.

Cattleya Percivaliana

Unusual good size for this
variety \$4.00 per doz.

Valley, P-M Quality

Special \$4.00 per 100
Extra, \$3.00 per 100

GARDENIAS

Special \$4.00 per doz., \$30.00 per 100
Fancy 3.00 " 20.00 "

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N.W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 23		ST. LOUIS Dec. 21		PHILA. Dec. 7	
Roses						
Am. Beauty, Special	35.00	to 65.00	80.00	to 100.00	25.00	to 30.00
" " Fancy and Extra	15.00	to 20.00	50.00	to 75.00	15.00	to 20.00
" " No. 1	5.00	to 12.00	30.00	to 40.00	10.00	to 18.00
Killarney, Richmond, Extra	15.00	to 20.00	20.00	to 25.00	10.00	to 15.00
" " Ordinary	6.00	to 10.00	1.00	to 15.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	8.00	to 12.00	20.00	to 25.00	6.00	to 8.00
" " Ordinary	2.00	to 4.00	10.00	to 15.00	4.00	to 5.00
Maryland, Sawyer, Taft, Extra	6.00	to 14.00	20.00	to 25.00	6.00	to 8.00
" " Ordinary	0.00	to 4.00	10.00	to 15.00	3.00	to 5.00
Russell, Hadley, Ophelia	8.00	to 20.00	25.00	to 35.00	6.00	to 12.00
Carnations, Fancy	1.00	to 5.00	8.00	to 10.00	3.00	to 4.00
" " Ordinary	1.00	to 2.00	5.00	to 10.00	1.50	to 2.00
Cattleyas	50.00	to 75.00	50.00	to 75.00	50.00	to 75.00
Cypripediums	6.00	to 14.00	0.00	to 0.00	0.00	to 15.00
Lilies, Longiflorum	8.00	to 10.00	12.00	to 15.00	10.00	to 12.00
Lily of the Valley	3.00	to 6.00	4.00	to 5.00	3.00	to 4.00
Violets	75	to 1.50	1.50	to 2.00	1.00	to 1.25
Snapdragon	3.00	to 4.00	0.00	to 0.00	0.00	to 10.00
Narcissus, Paper White	2.00	to 4.00	1.00	to 4.00	2.00	to 3.00
Corn Flower	.75	to 1.00	0.00	to 0.00	8.00	to 20.00
Chrysanthemums	0.00	to 0.00	0.00	to 0.00	0.00	to 1.00
Stevia	0.00	to 1.00	1.00	to 2.00	0.00	to 1.50
Sweet Pea	50	to 1.00	1.50	to 2.00	8.00	to 20.00
Gardenias	35	to 50.00	0.00	to 0.00	1.00	to 1.50
Adiantum	50	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	6.00	to 12.00	12.00	to 15.00	12.00	to 15.00
Asparagus Plumosus, Strings	25.00	to 50.00	35.00	to 50.00	4.00	to 50.00
" " & Spen. 1.50 lbs.	25.00	to 50.00	20.00	to 30.00	15.00	to 50.00

Beauty roses, five-foot stems for Christmas delivery at \$1.00 each, which hitherto was considered a low price at wholesale. Carnations are very plentiful with prices sagging, but this does not apply to the red varieties, which are being held at high figures. Red roses are also favorites and of these Prince d'Arenberg seems especially popular, with asking prices about double those asked for Richmond. Hadley is, of course, peerless, but the supply is limited. There are plenty of poinsettias. All green material is overabundant.

PHILADELPHIA continued normal here. There was a fair amount of business done last week, but no great lifting of the market. Prices generally were low and a good deal of the business was done at the wind-up. Flowers of all kinds very plentiful. The prospects for

H. E. FROMENT

Wholesale Commission Florist,
Choice Cut Flowers,
77 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Moore, Hentz & Nash

Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK

Call and inspect the Best Establishment
in the Wholesale Flower District.

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CONSIGNMENTS SOLICITED
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53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone 7362 Madison Square

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Loucothoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorating Evergreens.
Tel. 1583 / 5883 / Mad Sq. 119 W. 28 St., New York

REED & KELLER

122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone. 3870 or 3871 Madison Square

GEORGE B. HART

WHOLESALE FLORIST
24 Stone St., Rochester, N.Y.

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.

TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US
Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Tel. 759 / Mad. Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 19 1914		First Half of Week beginning Dec. 21 1914	
American Beauty, Special	25.00	to 35.00	40.00	to 60.00
" " Fancy and Extra	10.00	to 20.00	20.00	to 40.00
" " No. 1	4.00	to 9.00	10.00	to 20.00
Killarney, Richmond, Extra	3.00	to 4.00	8.00	to 10.00
" " Ordinary	1.00	to 2.00	4.00	to 8.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 8.00	8.00	to 10.00
" " Ordinary	1.00	to 2.00	3.00	to 8.00
Maryland, Shawyer, Taft, Extra	3.00	to 8.00	8.00	to 10.00
" " Ordinary	1.00	to 2.00	3.00	to 8.00
Russell, Hadley, Ophelia	6.00	to 10.00	8.00	to 15.00
Carnations, Fancy Grade	2.00	to 3.00	4.00	to 8.00
" " Ordinary	1.00	to 2.00	2.00	to 4.00

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, NEW YORK

Telephone 7062 Madison

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS, 34 West 28th St., New York
Telephones 1664 / 1665 / Madison Square
CONSIGNMENTS SOLICITED

WALTER F. SHERIDAN

Wholesale Commission Dealer in
CHOICE CUT FLOWERS

133 West 28th Street, New York
Telephone—3532-3533 Madison Square

**THE Florists' Supply House of America**

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th St. New York
Telephones: 796 and 798 Madison Square
Consignments Solicited

Established 1887. Still Going Strong.

J. K. ALLEN

OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE
106 WEST 28TH ST., NEW YORK.

Opens 6 A. M. daily.
Telephone. 167 and 4468 Mad. Sq.

KOMADA BROS.

Manufacturers of all kinds of
WIRE DESIGNS and FLORISTS SUPPLIES
1008 Vine St., PHILADELPHIA, PA.

Flower Market Reports

(Continued from page 921)

Christmas week at this writing, Monday the 21st, are quite rosy. If the weather proves favorable, we will have a good story to tell in next issue.

Retailers report **SAN FRANCISCO.** an improvement, due to the increasing number of social events. Wholesalers, however, find it necessary to go out actively after business instead of having it come in as usual. There is more shipping demand for violets, which are still rather scarce, as the temperature accompanying the rain has been too cold to bring out the flowers. It looks as if the shortage may continue through the holidays. Many advance orders are being received. Shipping orders for roses are also increasing. The stock is very fair, and in ample but not in excessive supply. Ophelia and Hadley are well received, the limited daily offerings being closely cleaned up, and it is probable that planting of these, as well as of Russell, will be more extensive next year. Red roses and carnations are expected to run a little short at Christmas, as usual, though the stock is being held back for that time as much as possible. Carnations of fair quality are plentiful and rather cheap, but an advance is expected. *Lilium giganteum* is appearing in many of the shops, and a good many Roman hyacinths are coming in. Cardenias are showing up nicely, and still improving, with prospects of a fine cut for Christmas. The supply of orchids is improving, both in quantity and quality, and is pretty well absorbed. Chrysanthemums are showing the effects of the rain, but the smaller varieties are still fairly plentiful and cheap, and some of the Chinese varieties are of very good quality. English holly is coming in more freely and promises to be fairly plentiful, with offerings from California as well as northern points. Southern California poinsettias are becoming more of a feature and a good Christmas demand is expected. Azalea plants are appearing everywhere, and are very fine.

Business has been **ST. LOUIS** quiet as usual just before Christmas, with stock not any too plentiful among the commission houses with prices rather high. As to Christmas supply it is not possible to say this early how it is going to be, but there will be a decided scarcity in peas and violets and Beauties will come high. The dark weather for the past three weeks has surely got our growers up in the air as to Christmas stock and if business is going to be brisk there will not be enough stock coming in to go to fill advance orders.

According to state-
WASHINGTON ments made to the Washington correspondent of *Horticulture*, the Christmas business for 1914 will surpass that of last year to quite an extent. The advance orders for cut flowers and blooming plants have been exceptionally heavy, giving a feeling of confidence to the growers. Conditions are such that the people of Washington

FANCY OR DAGGER FERNS

New Crop Fancy Ferns - - - - \$0.75 per 1000
Dagger Ferns - - - - .75 per 1000

Discount on large orders

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

Tel. Office, New Salem, Mass.
L. D. Phone Connection.



Bronze and Green Galax, \$1.00 per 1000;
\$7.00 per case of 10,000.
Sphagnum Moss, large sack, only 40c.
Pine by the pound, 5c, or by the yard.
Branch Laurel, 25c for a large bundle.
Southern Smilax, 50 lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00
per 1000.
Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.
Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 19 1914		First Half of Week beginning Dec. 21 1914	
Cattleyas	15.00	to 50.00	50.00	to 75.00
Lilies, Longiflorum	8.00	to 9.00	8.00	to 10.00
Rubrum	2.00	to 4.00	2.00	to 5.00
Lily of the Valley	1.00	to 2.00	1.00	to 4.00
Violets	.25	to .50	.50	to .75
Corn Flower	5.00	to 20.00	5.00	to 20.00
Chrysanthemums	1.00	to 2.00	1.00	to 1.50
Narcissus, Paper White, Roman Hyacinths	4.00	to 8.00	4.00	to 8.00
Mignonettes	4.00	to 5.00	4.00	to 8.00
Snapdragon	4.00	to 1.00	4.00	to 1.00
Lilac (per bunch)	4.00	to 10.00	4.00	to 10.00
Sweet Peas (per 100 bunches)	5.00	to 20.00	15.00	to 35.00
Gardenias	.50	to .75	.50	to .75
Adiantum	8.00	to 10.00	4.00	to 12.00
Smilax	25.00	to 30.00	20.00	to 35.00
Asparagus Plumosus, strings (per 100)	10.00	to 20.00	20.00	to 35.00
& Sprengeri (100 bunches)				

are not spending the money that they have in previous years for jewelry and other luxuries of that type and thus the demand for cut flowers and plants will be increased to no little extent. American Beauty roses are coming into Washington in large quantities and this has had a tendency to force down prices to some extent. Roses of other varieties and carnations in all colors are plentiful. There will be more than enough orchids and gardenias to fill all demands. Single violets have been meeting with a very ready sale since first coming in. Some exceptionally fine sweet peas are offered at reasonable prices. The expected shortage of Christmas trees and greens has not materialized and the production of blooming plants is heavier than in recent years.

NEWS NOTES.

Alton, Ill.—The Alton Floral Co. has purchased the greenhouse property of O. B. Rynders, and will shortly erect another greenhouse.

Plymouth, Mass.—Fritz Schlecht, proprietor of the Allerton street greenhouses, has opened for the holiday season a store at 11 Court street.

New York—Lecakes has opened a wholesale greens and cut flower establishment in the store formerly occupied by Guttman & Raynor, at 102 West 28th street.

New Bedford, Mass. John J. Leal, a florist, who lives at Ash and Union streets, was found in his bed last Saturday morning overcome by coal gas. He was revived by the pulmotor and rushed to St. Luke's hospital.

Cincinnati—Among the local retailers having very attractive window displays for the holidays are Miss Edith

Kyck, Avondale Floral Co., E. G. Hill Floral Co., Hardesty & Co., Fred Gear, Max Rudolph and Julius Baer.

VISITORS' REGISTER.

New York—L. W. Wheeler, Pieters-Wheeler Seed Co., Palo Alto, Cal.

Cincinnati—Miss Fannie White, Lexington, Ky.; E. J. Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia, Pa.; Fred Rupp, Lawrenceburg, Ind.

Cohasset, Mass.—Ernest Howes, who bought the Col. Albert A. Pope estate on Jerusalem road, is preparing ground for a \$25,000 flower garden, besides several greenhouses. It is said the estate will become the floral show place of Jerusalem road.

Washington.—Charles E. Meehan, of the S. S. Pennock-Meehan Company, Phila, Pa.; Julian Dilhoff, of Schloss Bros., New York, N. Y.; Robert Shoch, with Rice & Co., Phila, Pa.; J. E. Peterson, Westwood, Cincinnati, Ohio; G. G. Stumpp, of Stumpp & Walter Co., New York; Joseph J. Goudy, with H. A. Dreer, Philadelphia, Pa.

GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience and our telephone, Madsen 5-10, 5-11, 5-12, 5-13, 5-14, 5-15, 5-16, 5-17, 5-18, 5-19, 5-20, 5-21, 5-22, 5-23, 5-24, 5-25, 5-26, 5-27, 5-28, 5-29, 5-30, 5-31, 5-32, 5-33, 5-34, 5-35, 5-36, 5-37, 5-38, 5-39, 5-40, 5-41, 5-42, 5-43, 5-44, 5-45, 5-46, 5-47, 5-48, 5-49, 5-50, 5-51, 5-52, 5-53, 5-54, 5-55, 5-56, 5-57, 5-58, 5-59, 5-60, 5-61, 5-62, 5-63, 5-64, 5-65, 5-66, 5-67, 5-68, 5-69, 5-70, 5-71, 5-72, 5-73, 5-74, 5-75, 5-76, 5-77, 5-78, 5-79, 5-80, 5-81, 5-82, 5-83, 5-84, 5-85, 5-86, 5-87, 5-88, 5-89, 5-90, 5-91, 5-92, 5-93, 5-94, 5-95, 5-96, 5-97, 5-98, 5-99, 5-100.

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use

BOOKS BALANCED AND ADJUSTED

Merchants Bank Building

40 STATE ST. - - - - BOSTON

Telephone Main 68

Buyer's Directory and Ready Reference Guide

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Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

Ampelopsis Veitchii—3-yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.00 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

ARDISIAS

Jullus Roehrs Company, Rutherford, N. J.
For page see List of Advertisers.

AUCTION SALES

Elliott Auction Co., New York City.
For page see List of Advertisers.

ASPARAGUS SPRENGERI

J. E. Felthousen, Schenectady, N. Y.
For page see List of Advertisers.

AZALEAS

P. Onwerkerk, Hoboken, N. J.
For page see List of Advertisers.

BAY TREES

August Rolker & Sons, New York.
For page see List of Advertisers.

BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

BEGONIAS

Jullus Roehrs Company, Rutherford, N. J.
For page see List of Advertisers.

BERBERIS THUNBERGII

Old Town Nurseries, M. P. Haendler, Prop., So. Natick, Mass.
For page see List of Advertisers.

BOILERS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.
Lily Bulbs.
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
Holland and Japan Bulbs.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.

A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Arthur T. Boddington, New York City.
Bulbs at Cost
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.

C. KEUR & SONS, HILLEGOM, Holland
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CALCEOLARIA

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

CANNAS

Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Peter Fisher, Ellis, Mass.
New Carnation Alice.
For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 25c; 3000 for \$1.00 post paid. I. I. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

CHRYSANTHEMUM STOCK PLANTS—50 standard varieties, \$3.00 per 100; 60c. per doz. H. ROLFE, Hammonton, N. J.

CHRYSANTHEMUMS—Continued

Chrysanthemum Stock Plants—250 Smith's Advance, early white; 250 Pacific Supreme, early pink; 800 Yellow Bonaffon; 800 Wells, Late Pink; \$4.00 per 100. NICHOLAS BELYUNG, 528 Emmett Ave., Trenton, N. J.

CINERARIAS

For Sale—Mixed Cinerarias, ready for 5s. Big, strong plants, three dollars per hundred. E. G. BLANEY, 163 Burrill street, Swampscott, Mass.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
For page see List of Advertisers.

CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECIDUOUS TREES

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

DECORATIVE PLANTS

Henry A. Dreer, Philadelphia, Pa.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

Woodrow & Marketos, New York City.
For page see List of Advertisers.

J. M. Keller Co., Inc., Brooklyn and White-stone, L. I., N. Y.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
For page see List of Advertisers.

FERNS

Henry A. Dreer, Philadelphia, Pa.
Ferns for Dishes.

For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

For List of Advertisers See Page 903

FERNS—Continued

- H. H. Barrows & Son, Whitman, Mass.
For page see List of Advertisers.
- Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.
- Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.
- Ernest Oechsli, River Forest, Ill.
Ferns for Dishes.
For page see List of Advertisers.

FERTILIZERS

- 20th Century Plant Food Co., Beverly, Mass.
Cocconut Fibre Soil.
For page see List of Advertisers.
- Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.
- Stampp & Walter Co., New York City.
Scotch Soot.
For page see List of Advertisers.
- Plantlife Co., New York, N. Y.
For page see List of Advertisers.
- Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
For page see List of Advertisers.
- Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
For page see List of Advertisers.
- Natural Guano Co., Aurora, Ill.
Pulverized Sheep Manure.

FLORISTS' LETTERS

- Boston Florist Letter Co., Boston, Mass.
For page see List of Advertisers.

FLORISTS' SUPPLIES

- N. F. McCarthy & Co., Boston, Mass.
For page see List of Advertisers.
- M. Rice Co., Philadelphia, Pa.
For page see List of Advertisers.
- Reed & Keller, New York City.
For page see List of Advertisers.
- S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.
- H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.
- Welch Bros. Co., Boston, Mass.
For page see List of Advertisers.
- Komada Bros., Philadelphia, Pa.
For page see List of Advertisers.

FLOWER POTS

- E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
For page see List of Advertisers.
- W. H. Ernest, Washington, D. C.
For page see List of Advertisers.
- A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

- Fuchsias—Black Prince, Speciosa, double
purple and white. Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

- Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

GALAX

- Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

- R. Vincent, Jr., & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

GERANIUMS—Continued

- Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.
- J. E. Felthousen, Schenectady, N. Y.
For page see List of Advertisers.
- 4,000 S. A. Nutt, rooted cuttings; 1,000
B. Poltevine. Ten dollars per thousand.
GEO. P. GRIDLEY, Wolfboro, N. H.

GLADIOLUS

- John Lewis Childs, Flowerfield, L. I., N. Y.
For page see List of Advertisers.
- A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.
- Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.
- Planting stock and bulblets—Holley,
America, Princeps, Chicago White, Niagara,
Mrs. King, Golden King, Pendleton, Peace,
Panama and all the good ones. Write for
list. HOMER F. CHASE, Lawrence, Mass.
- Write for price list home-grown Gladiol.
MUNSELL & HARVEY, Ashtabula, Ohio.

GLASS

- Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.
- Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

- Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GOLD FISH

- M. D. Jones Co., Boston, Mass.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.
- Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.
- S. Jacobs & Sons, Brooklyn, N. Y.
- Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

- King Construction Co., N. Tonawanda, N. Y.
For page see List of Advertisers.
- Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.
- Hitchings & Co., New York City.
For page see List of Advertisers.
- Pierson U-Bar Co., New York City.
- Daniel Hiffe, South Weymouth, Mass.
- Lord & Burnham Co., New York City.

GUTTERS

- King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.
- Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

- Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

- Michigan Cut Flower Exchange, Detroit,
Mich.
For page see List of Advertisers.
- Gray Fern Co., Milington, Mass.
Fancy and Dagger Ferns.
For page see List of Advertisers.
- The Kervan Co., New York.
For page see List of Advertisers.

HARDY PERENNIALS

- Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

HEATING APPARATUS

- Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.
- Daniel Hiffe, South Weymouth, Mass.
- Lord & Burnham Co., New York City.

HELIOTROPES

- Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

HOT-BED SASH

- Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.
- STANDARD HOT BED SASH See each
Glass, 6x8, 8x10, 10x12 or 10x14, \$1.50
per box. C. N. ROBINSON & BRO., Dept.
29, Baltimore, Md.
- Foley Greenhouse Construction Co.,
Chicago, Ill.
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Lord & Burnham Co., New York City.

HOSE

- H. A. Dreer, Philadelphia, Pa.

INSECTICIDES

- Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
For page see List of Advertisers.
- Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
For page see List of Advertisers.
- Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
For page see List of Advertisers.
- Plantlife Co., New York City.
Plantlife.
For page see List of Advertisers.
- Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."
For page see List of Advertisers.
- Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IVY

- English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

LEMON OIL

- Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

- Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
For page see List of Advertisers.
- R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Super. Quality.
For page see List of Advertisers.
- Corp. of Chas. F. Meyer, New York City.
Meyer's 4 Brand Lily Bulbs.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Hohmann's Famous Lily of the Valley Pips.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Lily of the Valley Pips.
For page see List of Advertisers.

McHutchison & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.

MASTICA

F. O. Pierce Co., New York City.
For page see List of Advertisers.

MISCELLANEOUS PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-TUME"

Kentucky Tobacco Product Co., Louis-
ville, Ky.

For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

F. E. Conline Nursery Co., Stratford, Conn.
For page see List of Advertisers.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed, Onion Sets.
For page see List of Advertisers.

ORCHID FLOWERS

Jag. McManus, New York, N. Y.
For page see List of Advertisers.

ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
For page see List of Advertisers.

Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
For page see List of Advertisers.

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
For page see List of Advertisers.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.
Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass.
New Rose Mrs. Moorfield Storey.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and
Flower Seeds.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Novelties in Flowers and Vegetables,
Boston, Mass., and London, England.
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and
Flower Seeds.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
For page see List of Advertisers.

Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.
For page see List of Advertisers.

J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.

Chas. Schwake & Co., New York City.
For page see List of Advertisers.

Micbelle's Seed House, Philadelphia, Pa.
New Crop of Flower Seed.
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

Arthur T. Boddington, New York.
For page see List of Advertisers.

S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
For page see List of Advertisers.

Loechner & Co., New York City.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York.
Garden Seed.
For page see List of Advertisers.

Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
For page see List of Advertisers.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.
For page see List of Advertisers.

Fottler, Fiske & Rawson Co., Boston, Mass.

SILKALINE

John C Meyer Thread Co., Lowell, Mass.
For page see List of Advertisers.

SKINNER IRRIGATION SYSTEM

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For page see List of Advertisers.

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SNAPDRAGONS — Ramsburg's Silver
Pink, and Buxton's Pink for planting
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Live Sphagnum moss, orchid peat and
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For List of Advertisers See Page 903

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For page see List of Advertisers.

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For page see List of Advertisers.

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Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
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For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
For page see List of Advertisers.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, New York City.
For page see List of Advertisers.

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For page see List of Advertisers.

Wirework. Write for our catalogue.
HOLTON & HUNKEI CO., Milwaukee, Wis.

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WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
For page see List of Advertisers.

Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
For page see List of Advertisers.

Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
For page see List of Advertisers.

Welch Bros. Co., 226 Devonshire St.
For page see List of Advertisers.

Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
For page see List of Advertisers.

Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
For page see List of Advertisers.

Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
For page see List of Advertisers.

WHOLESALE FLORISTS—Continued
New York

H. E. Froment, 57 W. 28th St.
For page see List of Advertisers.

James McManus, 105 W. 28th St.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York
For page see List of Advertisers.

Traendly & Schenck, 131 W. 28th St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 117 West
28th St.
For page see List of Advertisers.

Badgley, Riedel & Meyer, Inc., New York.
For page see List of Advertisers.

Woodrow & Marketos, 37 & 39 West 28th St.
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
For page see List of Advertisers.

M. C. Ford, 121 West 28th St.
For page see List of Advertisers.

Philadelphia

Leo, Niessen Co., 12th and Race Sts.
For page see List of Advertisers.

Edward Reid, 1619-21 Ranstead St.
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-20
Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
For page see List of Advertisers.

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CARNATION MATCHLESS A GREAT
SUCCESS.

Cottage Gardens Co., Inc., Queens, N. Y.
For page see List of Advertisers.

CATTLEYA TRIANAEE.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

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McHutchison & Co., New York, N. Y.
For page see List of Advertisers.

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New York.
For page see List of Advertisers.

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Advertisements in this column
one cent a word. Initials count
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SEEDSMAN well equipped in general
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ties of position have exercised tact, judg-
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kept up with the broadening tendency of
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some progressive seed firm. DENNIS
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(Flushing is in New York City, Borough of
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SITUATION WANTED—Experienced man,
age 47, of good habits, well recommended,
wants a position in commercial establish-
ment near Boston. Address R. H. K., care
HORTICULTURE.

FOR SALE**Florists' Attention**

We have on hand ready for shipment all
material necessary for the superstructure
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GREENHOUSE, 42 ft. wide x 150 ft. long.
We will dispose of this material for \$1300.
F. O. B. our Factory. Remember every-
thing is new and strictly first class; just
the same kind of a house that has made
the LUTON Reputation. We will send
you even the GALVANIZED NAILS,
BOLTS AND SCREWS for assembling the
house. Plans sent on request.

William H. Lutton Company

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FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SHELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.

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You Want?**

Look in the "Buyers'
Directory" of this issue
and you will probably
find represented there
somebody who can
supply you. It's a good
plan to look it over
every week, for the
weekly changes and
additions are many.

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In writing to Advertisers kindly mention Horticulture

BAILEY'S NEW STANDARD Cyclopedia of Horticulture

Six large quarto volumes. More than 3,600 pages. 24 exquisite full-page color plates. 96 full-page sepia halftones and more than 4,000 text engravings. 500 collaborators. Approximately 4,000 genera, 15,000 species and 40,000 plant names.

The new Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is not merely an ordinary revision or corrected edition of the old Cyclopedia, but it is a new work from start to finish with enlarged boundaries geographically and practically; it supersedes and displaces all previous editions or reprints of every kind whatsoever. It is both an Encyclopedia and a Manual, for with the aid of its Synopsis and Key, amateur and professional alike may quickly identify any plant, shrub or fruit contained within the set, and then receive expert instructions for its cultivation. Price \$6.00 per volume. Two volumes have now been issued and the others will follow in succession. Order from

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FOR THE HOME GARDEN

by
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In addition, chapters devoted to general information are added as of interest, and books going further into detail on the various subjects are suggested.

Don't overlook the appropriateness of this beautiful volume as a gift to any friend who loves Roses.

For Sale by

Horticulture Publishing Co.
BOSTON.

U. S. DEPARTMENT OF AGRICULTURE.

Report of Government Entomologist.

The control of such dangerous insects as the gipsy moth, cotton-boll weevil, alfalfa weevil, green bug and potato tuber-moth, has kept the office of the United States Department of Agriculture's entomologist busy during the past year, according to the new annual report. The gipsy moth campaign, waged also against its cousin the brown-tail moth, has been very encouraging, there being a marked decrease this year in the numbers of both these pests. Parasites and beetles that attack these dangerous insects have been introduced and have been largely instrumental in bringing about good results. Colored posters were prepared by the office illustrating the gipsy moth and its natural enemies and these were posted in all post offices and town offices in the infected districts and copies were sent to granges and public libraries. The campaign has also been waged by mail and Boy Scouts who have distributed cards bearing the same illustrations.

Ornamental Plants from Belgium.

Shipments from Belgium of ornamental plants containing from two or three plants to one thousand plants in each shipment have been coming into the United States at the rate of about 50 a day, according to the Federal Horticultural Board. While France sends us more nursery stock during the year than all the other European countries combined, during October and November more ornamental plants have come from Belgium than from all the others combined.

The Belgian shipments come via Holland, the territory where they originate being on the Dutch border. France, which sends us much of our imported fruit stock as well as ornamental trees, also continues to ship, the territory where these stocks originate being west of the war zone. The Federal Horticultural Board has cabled the French Government regarding the maintenance of the inspection service and has received through the French Ambassador information that the service is being maintained. Large importers of French stock have since confirmed this advice.

Under the existing European conditions there may naturally be expected some irregularity in compliance with our inspection regulations, and certain leniency may occasionally be necessary, especially where safety can be fully insured by adequate inspection on this side. Among the plants that need especial attention in this line are azaleas, which come in great numbers from Belgium. Gipsy-moth egg-masses are occasionally found in these plants, but in all cases the plants are rigidly inspected and affected plants are destroyed. Azaleas and similar plants are often set out in gardens after their house use is over or they are thrown out in yards or vacant lots. If such azaleas harbor eggs of the gipsy moth, the hatching larvae may easily gain access to surrounding vegetation.



A Magnificent Volume on Horticulture

Originally published at \$2.50 **\$1.50**

KIRKEGAARD'S
"Trees, Shrubs, Vines and Herbaceous Perennials": a book which bids fair to become a classic in its field.

With its 410 pages packed full of garden lore, its 60 beautiful full-page sepia photos and its comprehensive planting list it is a genuine contribution to the literature of Horticulture. An

Ideal Xmas Gift

The edition is almost exhausted. We've picked up a limited quantity which we can let our readers have for \$1.50. Send cheque or money order; we'll forward the book postpaid.

Money Back Guarantee

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The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription. \$1.00 per year

Sample Copy Free

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- 1,120,065. Weed Exterminator. Chris Larson, Denver, Colo.
- 1,120,211. Plant Setter. Joseph H. Masters, deceased, Chicago, Ill., by Clarissa V. Masters, executrix, Chicago, Ill.
- 1,120,227. Root Cutter. David N. Mustard, Pregnall, S. C.
- 1,120,371. Weeder. Reuben G. Bruner, Olinda, Ontario, Canada.

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40% Nicotine

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1-lb. can	1.50
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NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

LEMON OIL 20'S STANDARD'S SOLUBLE IN WATER NO ODOR INSECTICIDE NO POISON

Guarantee under the Insecticide Act, 1910 Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
 1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
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Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

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Directions on every package

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Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
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The Ideal Plant Food.

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Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$2.00; twenty five pounds, \$3.00; fifty pounds, \$4.00 F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by ELMER D. SMITH & CO., Adrian, Mich.

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An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

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A soil sterilizer for cut, eel, wire and angle worms.

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A free nicotine, 40% strength, for spraying and vaporizing.

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Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

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Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
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No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
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70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

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The available temperature should be from 5 to 10 degrees higher than that actually used. Determine the number of square feet of glass in the roof. Compute the same for the glass on the four sides, also determine the area of the foundation walls and doors and take 1/5 of the latter amount, as only 1/5 of heat radiates from the foundations as from the glass. Then add these amounts.

To estimate the radiation surface one square foot of pipe will heat:

35°-40°	.....	1.51	sq. ft. glass area
40°-45°	.....	1.47	" " "
45°-50°	.....	1.4	" " "
50°-55°	.....	1.346	" " "
55°-60°	.....	1.3	" " "
60°-65°	.....	1.262	" " "
65°-70°	.....	1.28	" " "
70°-75°	.....	1.8	" " "

Divide the number of square feet of glass and equivalent by 2.62 and you will have the number of square feet of pipe surface required to heat a house from 60° to 65°, or divide by 3 and you will have the figures for heating a house from 55° to 60°.

Find the number of linear feet of 2-inch pipe required:

1	in. pipe	.....	3.44 sq. ft. per linear foot.
1 1/4	"	.....	4.64 " " "
1 1/2	"	.....	4.97 " " "
2	"	.....	6.21 " " "
3	"	.....	1.05 " " "

Divide the number of square feet of radiating surface by .621 and the result will be the number of linear feet of 2-inch pipe required.

If the houses are to be heated by steam, deduct 1/4 of the radiating surface.

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TEMPLATED.**

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GREENHOUSES

Write for Bulletin No. 47
and you will see why.

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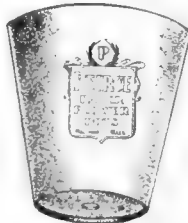
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STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in.	@ \$6.00	500 4 in.	@ \$4.50
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OUR SPECIALTY—Long Distance and Trade Export



The best **PAPER POT** for shipping purposes. Sizes from 2 in. to 6 in.

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**—STANDARD FLOWER—
POTS**

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W. H. ERNEST

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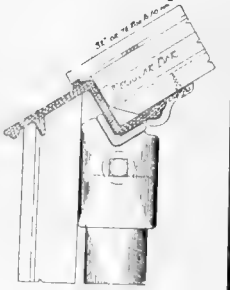
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KNEW what a good save the **METROPOLITAN PATENTED** is, you would use no other. It is made of cast iron and will not rust. That part of your greenhouse which in other constructions is the weakest becomes the strongest. Not this alone, it is ice-clearing and carries all the water of condensation from the inside, and it is so constructed that almost the entire end of the bar is exposed to the air, thereby preventing decay. Only one screw, about two inches from the end, is all that is necessary to secure the bars. For side stationary glass, wood headers are absolutely unnecessary, thereby causing no shade. Zinc glass stops are not necessary—the glue is made with a lug to prevent the glass from slipping. Let your next house be built with a Metropolitan Patented Iron Wall Construction. You will never regret it. Our price and service are right.

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SAVE MONEY BY DOING IT NOW

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THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 39,000,000 sq. ft. of glass

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No Greenhouse Man can afford to take the risk of leaving his place unprotected against the possibilities of overheating or frost, when absolute safety against either of these contingencies can be assured by installing the **faithful, sleepless, watchman**, whose portrait appears herewith. All you have to do is to set the hands—one at minimum and the other at maximum temperature limit and the Thermostat will give instant warning if temperature goes above or below.

All This for \$5.00

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Hot Bed Sash Pecky Cypress Celery Boards
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Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS. CHICAGO, ILL.

Stearns Cypress Greenhouses

Pecky Cypress Bench Stock

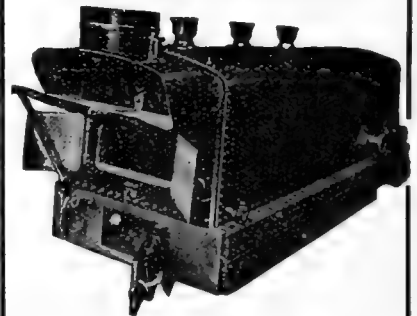
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

SECOND HAND PIPE

Guaranteed capable of pressures necessary for irrigation. Newly threaded and coupled.

Special LOW PRICES for
WINTER DELIVERY

Largest dealers in all sizes of Second Hand Storage and Pressure Tanks, Boilers, etc.

We are Agents for
THE SKINNER SYSTEM

THE PERRY, BUXTON, DOANE CO.

200 West First St., So. Boston, Mass.

GLASS

Greenhouse Material
Hot Bed Sashes

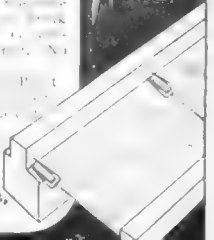
Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHESKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

**Dreer's Peerless
Glazing Points
For Greenhouses**

Drive easy and true, because both heads are of the same size. Can be used to break the glass in any direction. Used in all the best greenhouses in the world. No rusting. The Peerless Glazing Point is made in New York. It is the only one of its kind. 1000, 75c. postpaid. Samples free. **HENRY A. DREER,** 714 Chestnut Street, Philadelphia.

FULL
SIZE
No. 2





It is 60 feet wide and 400 feet long. The sides are 7 feet high with 18 inch transom sash, operated with our close working apparatus. The power plant is a model one—in fact, one of the finest in New England. It is connected to the greenhouse by a glass passage house 10 feet wide and 25 feet long.

First Big House of The New Sinclair Range at Smith's Ferry, Mass.

ON starting off on my vacation this fall, I promised myself that never a greenhouse would I visit. "Business to bally-hack, for all me" was to be my motto for two whole weeks. You have many a time determined to do exactly the same thing, and you know just what has happened time after time. So I might just as well own up that when burning up the gasoline, whizzing along that beautiful road between Northampton and Holyoke, Massachusetts, saw that big greenhouse across the fields on the left; automatically, I shut off the gas and before my partner could successfully protest, was over the fence and scooting across the lots to the fine big house of Sinclair and Son.

I can turn down invitations to ball games; decline the offer of my friend's Packard even when he furnishes all the gasoline; I can resist all kind of tempting things, but it's all up with me, when a greenhouse looms in sight. Something just makes me go and look it over. It's a pretty sight, one of these big Iron Frame Houses such as we are building these days.

It's a lot of satisfaction to squint your eye along the eave and see how it runs straight the full length.

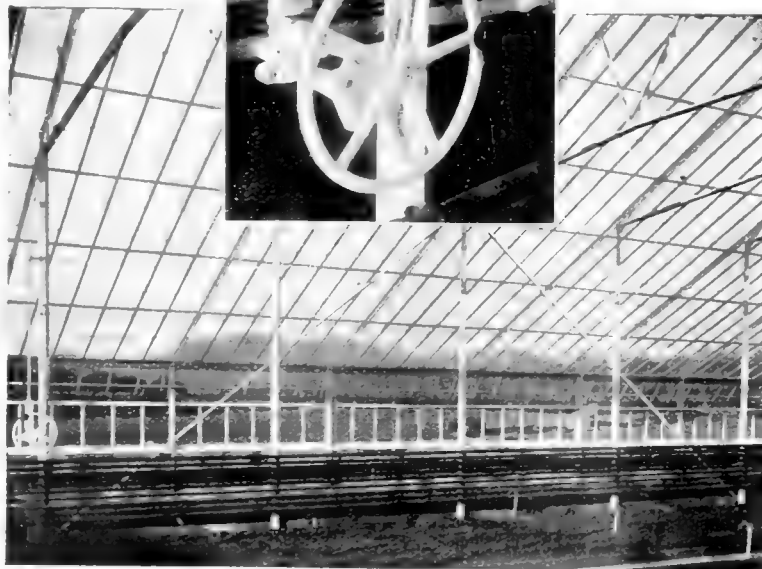
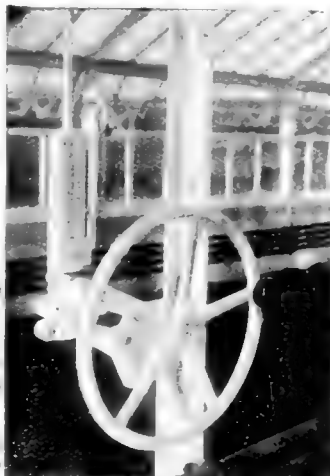
It's a genuine pleasure to go inside and see the engineering skill shown in a big house like this of Sinclair's; and see how very little detail has been carried out exactly "according to specifications" and finished up with greatest care.

"There's no camera made, that can do such a house justice." At least that's how Mr. Sinclair feels about it.

When I got back to the buzz-wagon, my partner had a fierce grouse on. I didn't give a hoot. Any fellow who isn't interested in a house like this one of Sinclair's isn't to be scolded. He needs to be pitted.

That night, however, at the Hotel Kimball, in Springfield, he good-naturedly stood for a couple of hours of my talk on our Reconstructed Construction.

If you would like to know some of the things we talked about, send for our Reconstructed Construction circular. It doesn't say so much, but the illustrations show a lot.



The greatest lengthwise sway strain on a house is brought against the columns. That's why we brace-tie them to each other, every so often. It's the simplest, most effectual way of making the house solid. All Mr. Sinclair's ridge vent gears are equipped with our Tell-tale device, showing exact opening in inches of the sash.

Hitchings and Company

General Offices and Factory: Elizabeth, N. J.

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